# Hunting.

Share the passion.

# All who appreciate …

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… will be delighted by Leica Sport Optics. For more than 100 years, we've helped to create awareness and bring people closer to the wonders of nature: with innovative binoculars, spotting scopes, riflescopes and rangefinder. Each specifically designed to transform the everyday experience into an unforgettable adventure.

We believe the best way to test our products is to take them out of the laboratory and into the real world, so we accompanied a party of avid hunters into the mountains of Spain's Sierra de Gredos. In true Leica tradition, we wanted to push our products to the limits. How will our products perform under these harsh conditions? How do they respond to the inevitable shocks and impacts of real hunting?

Immerse yourself in an exciting mountain hunt. Take time to get to know our products. Every one of them is a reflection of our commitment to reliability on the hunt – no matter how tough the challenge.

Your Leica Sport Optics Team

# Our passion for nature …

… is reflected in every one of our products.

That’s why we’re never content to rest on our laurels – we’re always moving forward. Leica is made for people who want to experience their environment with immediate intensity, rather than from a distance. People who demand more, when others accept less. People who seek the extraordinary – and who find it with us.

Our products boast high-quality optical performance and extremely precise mechanics. Each one is handmade, to the highest quality standards, by our skilled technicians.

But why not explore the following pages and form your own impressions? We invite you to find out more about us. About our history, our unwavering commitment to quality and service, our technological expertise, and our range of products.

# Making history means …

… setting something in motion. Shaping the future means dedicating yourself to striving for new innovation every single day.

Our story begins with Dr Ernst Leitz. A passionate nature lover and businessman who had a decisive influence on the development of our products and still shapes their character today. In May 1907, after three years of research and development, serial production of the first binoculars began: the Binocle 6x18. These were followed by many other sport optics products, all in inimitable quality – and all born of the same commitment to devising ever-more innovative optics.

The first three riflescopes for hunting were launched in early 1950. These models were characterized by a particular Leitz feature: reticle focusing was performed by a group of lenses inside the tube instead of the usual adjustment of the entire eyepiece. Here, the principle of true internal focusing was combined with the well-known advantages of ruggedness and resistance to dust and moisture. However, as in the past, our product focus continued to be on binoculars and spotting scopes, and riflescopes ceased production after a few years. But then, in 2010, the launch of the ER series marked Leica's long anticipated re-entry into riflescope production.

In rangefinding, too, Leica Sport Optics has set a new benchmark. We introduced the first commercially available rangefinder, the Geovid BDF, 20 years ago, and our revolutionary ballistics program redefines the meaning of precision today.

Naturally, we're not going to be content with these achievements, and our work on tomorrow's innovative technologies continues unabated: the next chapter of our success story is still being written.

**1907**
The first series-production Leitz binoculars are delivered.

**1956**
Launch of the Amplivid 6 x 24 wide-angle binoculars: their remarkably wide field of view (219 yds/200 m) sets a new record.

**1958**
Launch of the new Trinovid binoculars in slim construction, equipped with true internal focusing and of superior optical performance.

**1992**
The Geovid series are the first binoculars with an integrated laser rangefinder, establishing Leica as the indisputable pioneer in the field.

**2007**
The Ultravid HD with fluoride lenses paves the way for a new era.

**2009**
Leica develops and manufactures two new riflescopes in the ER series, marking a successful return to the riflescope market.

**2010**
Introduction of the Rangemaster CRF 1600, the rangefinder that sets a new benchmark for performance, precision and reliability.

**2012**
Practically indestructible and uncompromisingly powerful: the new Trinovid 42.

The launch of the Rangemaster CRF 1600-B is a high-performance rangefinder with a market-leading intelligent ballistics system. It offers a new and unprecedented level of accuracy.

**2013**
A revolution in sport optics: The Geovid 8 x 42 HD-B and Geovid 10 x 42 HD-B rangefinder binoculars boast a unique ballistics system and an integrated microSD card slot. For every level of expertise, every type of hunting and every situation, they guarantee maximum precision and maximum flexibility.

Thanks to its integrated basic ballistics feature, the Rangemaster CRF 1000-R wins a place on the must-have list for successful hunting in mountainous terrain. Perfect for bow hunters, the CRF 1000-R will provide equivalent horizontal range (EHR) from as close as 30 ft/9 m.

The ER riflescope is now the ER i, featuring twilight-suitable lighting with an intelligent automatic power-off function. Plus, the innovative rapid reticle adjustment BDC is compatible with all Leica riflescopes.

**2014**
The Geovid HD-R – Geovid HD's successor – unite a selection of time-tested rangefinding features. The version with equivalent horizontal range (EHR) is especially advantageous for angle shots.

DR. ERNST LEITZ

# For us …

… quality is a process, that we're always questioning and refining. Every day, we work to continually improve this quality to insure our customers' lifelong enjoyment of each of our optical products.

## Our employees

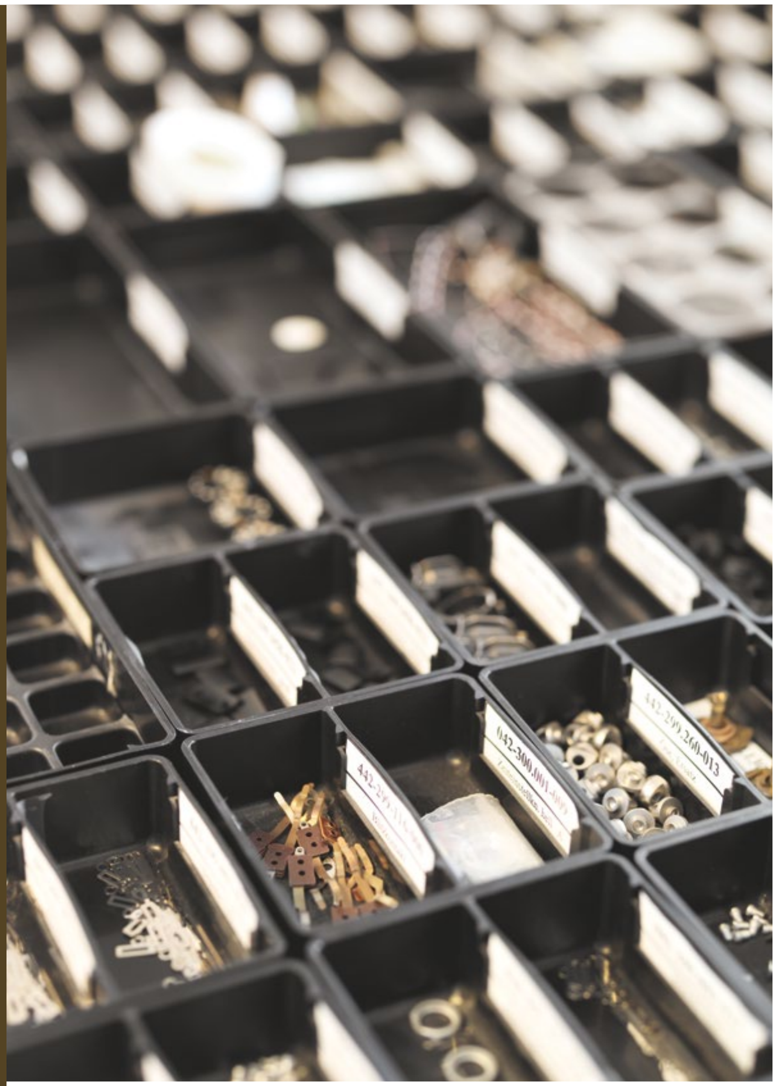
Our motivated, dedicated employees are our most important asset. They're the basis for our success. They make Leica what it is: a co-operative partnership that understands the importance of character.

## Our product quality

For over 100 years, Leica has been synonymous with outstanding quality in optics and engineering. Our technicians give priority to maximum mechanical precision and minimum margin for variation. And our experienced engineers subject each handmade component to strict quality control, accepting only the very best.

## Our service quality

Lifetime value also plays an important role in our service: We expect that our customers enjoy every Leica product they own for many years. So we assign a dedicated service specialist to each customer, ensuring competent service and a personalized response to his or her needs and wishes. This is part of our "Leica Sport Optics Goodwill Service".



# At a glance.
## Our range of hunting products.

### Rangemaster

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LEICA CRF 1600-B
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### Geovid

LEICA GEOVID 8 x 42 HD-B
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LEICA GEOVID 8 x 42 HD-R
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LEICA GEOVID 8 x 56 HD-R
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### Riflescopes

LEICA MAGNUS 1 – 6.3 x 24
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LEICA MAGNUS 2.4 – 16 x 56
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LEICA ER i 3 – 12 x 50
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### APO-Televid

LEICA APO-TELEVID 65 with LEICA EYEPIECE 25 x – 50 x WW ASPH.
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LEICA APO-TELEVID 82 with LEICA EYEPIECE 25 x – 50 x WW ASPH.
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LEICA APO-TELEVID 65 W with LEICA EYEPIECE 25 x – 50 x WW ASPH.
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LEICA APO-TELEVID 82 W with LEICA EYEPIECE 25 x – 50 x WW ASPH.
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# At a glance.

## Our range of hunting products.

## Trinovid

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LEICA TRINOVID 10 x 42
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LEICA TRINOVID 8 x 20 BCA
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LEICA TRINOVID 10 x 25 BCA
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## Duovid

LEICA DUOVID 8 + 12 x 42
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LEICA DUOVID 10 + 15 x 50
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## Monovid

LEICA MONOVID 8 x 20 BLACKLINE
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## Ultravid

LEICA ULTRAVID 8 x 32 HD
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LEICA ULTRAVID 8 x 20 BLACKLINE
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LEICA ULTRAVID 10 x 25 BR
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LEICA ULTRAVID 10 x 25 BLACKLINE
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# Majestically, it rises up …

… towering over the surrounding range. At 8,504 ft/ 2,592 m, Pico Almanzor is the highest peak of Spain’s Sierra de Gredos. Join us on the following pages as we share an unforgettable ibex hunt in this remarkable terrain. The Sierra de Gredos forms part of the Sistema Central range located about 125 mi/200 km west of Madrid.

The rugged mountainous landscape is washed in brilliant colors during the fall hunting season. Gorse, ferns and oaks line the many steep slopes. The higher you climb, the more breath-taking the view. Nothing but nature at its most pristine, for as far as the eye can see. With its wide valleys spreading below snow-capped mountain peaks, this stunningly beautiful place is a magnet for hunters and nature lovers alike.

# A hunt to remember.

Ignacio spots him first, and the spellbound Charles-Antoine follows the gaze of the professional hunter. There it is – standing proudly, slightly elevated and at some distance on the rugged rocks. The reason why these young men have endured the arduous climb. Why they chose to come and hunt in these stunningly beautiful, yet harsh and unforgiving mountains. Ultimately, why the two now proceed with the utmost care and concentration.

The Gredos Ibex. Also known as Spain's King of the Mountains. The most famous of the four Spanish ibex subspecies, and the most powerful. Adult bucks can weigh up to nearly 200 lbs/90 kg, and their majestically curved horns can measure over 3 ft/1 m in length.

This type of Ibex is a prized hunting trophy. Today it boasts a robust, healthy population – even though, in 1905, there were only twelve surviving individuals in the wild. Thanks to the foresight of King Alfonso XIII of Spain, who founded Gredos Royal Game Preserve, the Gredos ibex strives due to stringent species protection policies. Today their population is estimated to be several thousand animals – an impressive result.

The two men silently stalk closer to their prey, as Ignacio assesses the male ibex: about 13 years old and around almost 180 lbs/81 kg in weight. A trophy by any measure. Charles-Antoine takes the aim. The silence is absolute. His concentration is unwavering. Time seems to stand still.

Less than 24 hours earlier, the two passionate hunters met at the lodge owned by Ignacio's family. An impressively large country house built in 1810, south of the Sierra de Gredos National Park. Far from the Spanish tourist cities, Ignacio spent most of his childhood and youth on his family's land. Even as a young boy, he went on pretend "hunts" through the fascinating mountain landscape. And just as young, he discovered his passion for the hunt and everything to do with it. He learned a great deal from a friend of the family, a shepherd, who taught him the secrets of the mountains. Ignacio's Belgian guest, Charles-Antoine, also discovered his passion for nature and hunting at an early age. It's a passion that has never left him: often leading him to the most remote corners of the globe. Again and again, it draws him into the mountains, on the most demanding of hunts. And it brought him here.

Well rested, the two began their adventure early in the morning. A Jeep took them up to 5,000 ft/1,500 m above sea level. Across peaks and valleys. Over rough gravel roads, barely more than slight indentations in the rocky ground. As far as the eye could see, not a single human in sight. Not even from the top of the mountain, where Ignacio and Charles-Antoine surveyed the landscape with their high-performance binoculars. Absolute seclusion: a perfect place to hunt.

At the first waystation, they were met by Javier, waiting with saddled horses. Javier is one of the most experienced gamekeepers in the area. His knowledge of these mountains is unsurpassed: he has a story for every cliff-face and every waterfall.

Left: **Charles-Antoine Resteau**
Right: **Ignacio de Navasqüés**

The trio spots a flock of black vultures circling in the sky. It is as if the giant scavengers know that the men are out hunting.

Around midday, a fog rolls in. Charles-Antoine, Javier and Ignacio take the opportunity to rest. While enjoying a meal of Spanish ham and cheese, the men exchange stories of their hunting experiences. They talk about icy winds on the Pamir Range, about starry nights in the Gobi Desert, and of course about hunts in the Sierra del Gredos. Here, where King Juan Carlos of Spain – himself an accomplished hunter – occasionally indulges his passion.

Later, as they approach the snowline after a difficult climb, they clearly hear the echoing sound of clashing horns. Charles-Antoine, Javier and Ignacio witness a rutting fight. Fascinated, the men watch as two Gredos ibex stand up on their hind legs, tilt their heads and plow with full force one another.

Over and over they clash, until finally, the vanquished male withdraws and retreats. Silently, the men follow. When the fog returns, they lose sight of the buck. With every sense straining, they squint to see through growing white haze. Somewhere in there is their prey. A wisp of fog clears, and the Gredos is revealed in all his glory. Graceful. Sublime. Then he leaps and disappears up the mountain. Higher and higher, his nimble hooves drive him over the rocks. Charles-Antoine, Ignacio and Javier follow close behind.

But the fog thwarts their attempts to get a clear line of sight at every turn. A cat and mouse game ensues with hunters pursuing their quarry, traversing one valley after another. They work their way up the rocky cliffs. The pursuit drains their strength and stamina, but the three men do not give up. Seized by ambition, they continue, step by step and yard by yard. After several hours, they come to a perfect spot to target the buck, where massive rocks serve as camouflage. A little further and Ignacio finally gives the signal to drop. Charles-Antoine takes aim as he listens attentively to Ignacio's whispered instructions.

The Gredos ibex falls, even before he can hear the shot. Charles-Antoine has aimed well, with unerring precision. Elation courses through each of the three men. The tension of the past hours melts away. Happily, even exuberantly, they embrace each other. For Charles-Antoine, Ignacio and Javier, this is the crowning moment of a perfect day.

Later, during the descent, the men relive the day's events. The exciting, albeit strenuous climb. The impressive landscape. The circling vultures. The rutting bucks. The long chase. Finally – the moment of decision.

They need no words to understand each other. The common bond shared by all who are passionate about nature and hunting is universal.

And so it is: from a hunting party springs true friendship.

# For over 20 years …

… Leica has been the pioneer in rangefinding technology. Thanks to our years of experience and our proven expertise, we can now proudly say that we are the undisputed market leader in the premium segment, with nearly a quarter of a million of our laser rangefinder in use around the globe.

Now we've gone one step further, creating not only the perfect pairing of observation and rangefinding, but also a revolution. The Geovid HD-B 42 boast four unique features: the innovative Perger Porro System for the perfect image, an open ergonomic bridge for a natural hold, an integrated multi-functional ballistics calculator, and a microSD card. We've also refined the long-standing Geovid HD to create the new Geovid HD-R, which precisely calculate the equivalent horizontal range (EHR). Rendering rangefinding more precise than ever – and taking the flexibility and safety of an accurate shot to a whole new level.

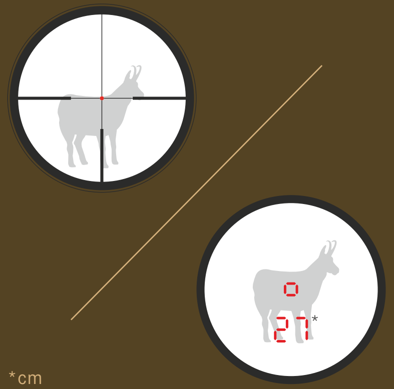
# The ballistics system ABC®.
# A revolution in rangefinding.

Developed by Leica, the unique Advanced Ballistic Compensation (ABC®) system performs with unequaled precision. ABC® gives hunters maximum precision plus maximum flexibility. It calculates the holdover value with unmatched precision and speed, then displays it in the format that you want. Thanks to this revolutionary technology, you can confidently prepare an accurate shot every time – even over longer distances.

There are three different display formats to choose from, so you can select the format most relevant to the equipment you're using, your individual hunting style and the field environment. ABC® calculates your chosen values with extreme precision, automatically adjusting for temperature, atmospheric pressure and angle of incline. If you wish, you can see these parameters individually, at the touch of a button.

## ABC® – Advanced Ballistic Compensation

**Tailored to the individual needs of the hunter, ABC® offers three ballistic applications to choose from:**

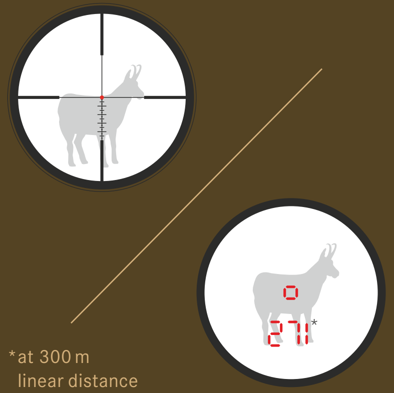


*cm

### Application 1

If you use a classic hunting reticle, the point-of-impact correction is calculated on the basis of the holdover value. So in addition to the range to your target, you are given the elevation above the target – in inches or centimeters – to compensate for bullet trajectory. As the value is always calculated in relation to your target, you always know exactly how much higher you need to aim.

Geovid 8 x 42 HD-B, Geovid 10 x 42 HD-B, CRF 1600-B

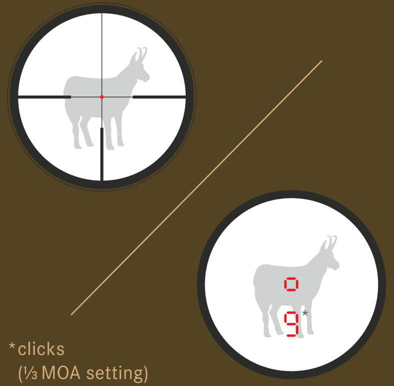


*at 300 m
linear distance

### Application 2

When using a reticle or turret in which each graduation represents a specific distance, a precise reading of the horizontal distance is critical to a successful shot. This information is at your fingertips – and of course, as with all other applications, with automatic consideration of the incline, temperature, and air pressure.

Geovid 8 x 42 HD-B, Geovid 10 x 42 HD-B, CRF 1600-B, CRF 1000-R (temperature and air pressure adjustment not included)



*clicks
(⅓ MOA setting)

### Application 3

If you use a Minutes of Angle (MOA) or mil graduated turret to dial for correction, you can determine the number of clicks needed to properly adjust the point of impact.

**Select from five settings:**
1 MOA, ⅓ MOA, ¼ MOA, 10 mm / 100 m or 5 mm / 100 m

Geovid 8 x 42 HD-B, Geovid 10 x 42 HD-B, CRF 1600-B

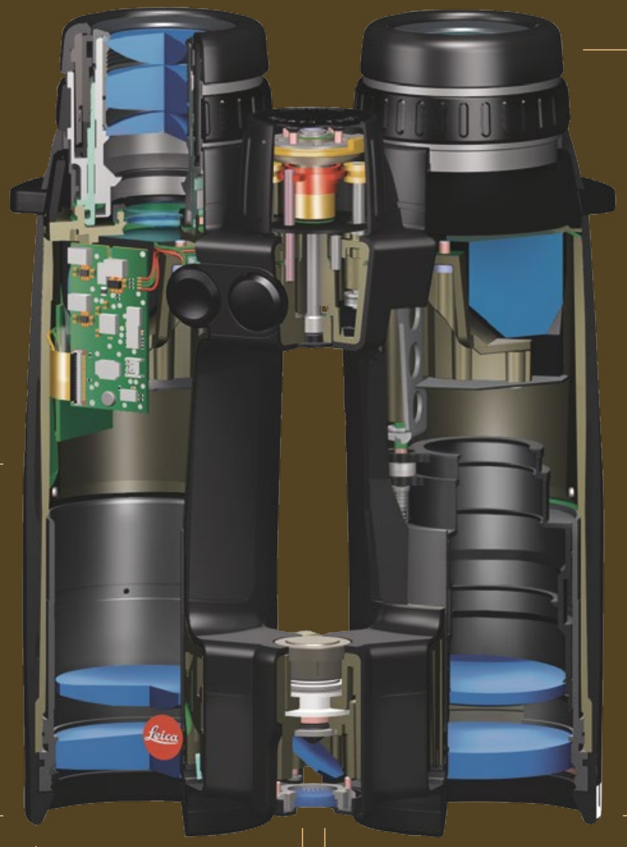
# Geovid HD-B 42.
## Unmatched in technology and optics.

Again and again, Leica has made history in the world of rangefinding. Now we have achieved a pioneering feat, a rangefinding revolution: the Geovid HD-B 42.

With the ABC® ballistics system, the holdover value is determined more reliably and easier than ever before. The precise calculation evaluates all relevant ballistics information within fractions of a second and displays the holdover correction, in the desired output format, at the push of a button – customized to your specific equipment, your individual hunting style and the field environment. No other rangefinder comes close to this level of performance.

The microSD card included with your rangefinder is very simple to use, and ensures maximum precision. You enter ballistic data into our online calculator, then use the microSD card to import them, based on the calculated trajectory, into your Geovid HD-B. After reading out the data, you can begin rangefinding right away – no further programming is required. Even unusual calibers or loads are depicted correctly and reliably.

The re-designed, open ergonomic bridge sets new standards, as well. A masterpiece in design and ergonomics, it allows you to grasp the device naturally, without tilting your wrist. Its contours are formed to cradle the surface of your palm, allowing for intuitive, relaxed use – even over longer periods of time.



**LED display:** data is clear and easy to read

**ABC® ballistics system:** maximum precision and customisation (refer to pages 22–23)

**Perger Porro System:** extremely bright, high-contrast image with unique depth and plasticity

**Open Ergonomic Bridge:** for a natural grip and prolonged observation

**Brilliant optics:** efficient stray-light suppression, no reflections, high contrast and remarkable detail

**AquaDura® coating:** water and dirt simply roll off

**Range:** accurate results up to 2,000 yds/1,825 m

**microSD card:** maximum precision thanks to ballistic data

LEICA GEOVID 8 x 42 HD-B

# Geovid HD-B 42.

## Supreme precision, extraordinary reliability and effortless ergonomics.

For 20 years, Leica has made history in the world of rangefinding, and once again, our engineers have succeeded in breaking new ground. The Geovid HD-B rangefinding binoculars feature the superior ABC® ballistics system plus an internal microSD card reader. The ergonomic design offers innovative elegance and tangible comfort. The Geovid HD-B represents a revolution in rangefinding: maximum flexibility and unmatched precision at remarkable distances.

An innovation in rangefinder binoculars, the integrated microSD card reader lets you program the specific ballistic data for your rifle – such as caliber, ammunition and load – so that your weapon and binoculars function in perfect harmony. Determining the point of impact is easier and more accurate than ever before. The user-friendly, customizable display allows you to calculate results for three different correction formats, using our ABC® system. Temperature, air pressure and angle of inclination are automatically considered in every calculation, and each can be viewed individually at the simple touch of a button.

### LEICA GEOVID 8 x 42 HD-B

**The essential details**

- lower magnification factor ensures a steady, clear view
- generous field of view for precisely surveying large areas
- clear image into the twilight hours

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### LEICA GEOVID 10 x 42 HD-B

**The essential details**

- 10 x magnification enables detailed viewing and identification of game
- wide 342 ft / 114 m field of view
- compact and robust

### The benefits at a glance

- ABC® ballistics system ensures maximum precision and customization
- microSD card enhances accuracy due to individualized ballistic data
- open ergonomic bridge for a natural hold
- Perger Porro System offers extremely bright, high contrast image with unique three-dimensionality
- efficient stray light suppression, no reflections
- precise measurement up to 2,000 yds / 1,825 m
- LED display is clear and easy to read
- lightweight, shock-resistant magnesium housing
- simple and convenient two-button operation
- water and dirt repellent AquaDura® lens coating

# Geovid HD-R 42.
## Compact and universal.

Enjoy hunting on mountainous or low-visibility terrain? You can rely on the new Geovid HD-R 42. In a new version with equivalent horizontal range (EHR), they merge time-tested features with an innovative ballistic function. Especially when shooting at an angle, you'll benefit from a precisely calculated ballistic relevant distance, which gives you significantly more confidence in making an accurate shot – both uphill and down.

The Geovid HD-R 42 are intuitive to use, even with no prior ballistic knowledge. They offer comfortable eye relief for long observations, a classic ergonomic design for an optimum hold, and workmanship that cuts no corners. Made for extreme conditions and ready anytime – from heavy use to unfavorable weather.

Both models offer a large field of view and are ideal for scanning vast terrain. Featuring fluoride lenses, the Geovid HD-R deliver brilliant color fidelity and razor sharp images.

### The benefits at a glance

- integrated laser rangefinder with a reach of 1,400 yds
- linear and equivalent horizontal range (EHR) display, EHR calculated from 10–600 yds/550 m
- one-click distance and EHR display
- compact, light, and comfortable to hold
- easy-to-use, no settings or programming necessary
- excellent stray-light suppression
- maximum-grip thanks to non-slip rubber armoring
- water and dirt repellent AquaDura® lens coating
- nitrogen filling prevents internal fogging
- guaranteed reliability from +131°F to –13°F, waterproof to 16.5 ft

NEW!

GEOVID
8 x 42 HD-R

### LEICA GEOVID 8 x 42 HD-R

**The essential details**

- 8 x magnification for steady viewing
- large 375 ft / 125 m field of view
- reliable observation and measuring well into the twilight
- lightweight and compact

GEOVID
10 x 42 HD-R

### LEICA GEOVID 10 x 42 HD-R

**The essential details**

- 10 x magnification for accurate identification
- measures precisely, even from a great distance
- comfortable 331 ft / 110 m field of view
- lightweight and compact

# Geovid HD-R 56.
## Bright and balanced.

Difficult lighting conditions and limited contrast at twilight are challenging for both hunter and equipment. The new Geovid HD-R 56 are your reliable partner whenever situations like these arise. Impressive with their maximum brightness, vivid, detailed image quality and wide exit pupil – and equipped with fluoride lenses to ensure outstanding color fidelity and high contrast. Even from greater distances or with low visibility, you can always clearly spot and identify your target.

In steep terrain, you'll enjoy added safety and flexibility with a new version featuring equivalent horizontal range (EHR). In addition to the linear distance and angle of incline, Leica's proprietary algorithm provides greater precision then Rifleman's Rule alone, to calculate EHR from 10–600 yds/550 m.

The rubber armoring on the Geovid 8 x 56 HD-R and the Geovid 15 x 56 HD-R make them particularly non-slip and resilient. They're exceptionally durable thanks to an aluminum casing.

NEW!

GEOVID
8 x 56 HD-R
Leica

### LEICA GEOVID 8 x 56 HD-R

**The essential details**

- specially developed for shooting from blinds
- exceptionally bright, wide exit pupil
- 8 x magnification for steady viewing
- wide 354 ft/118 m field of view

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GEOVID
15 x 56 HD-R
Leica

### LEICA GEOVID 15 x 56 HD-R

**The essential details**

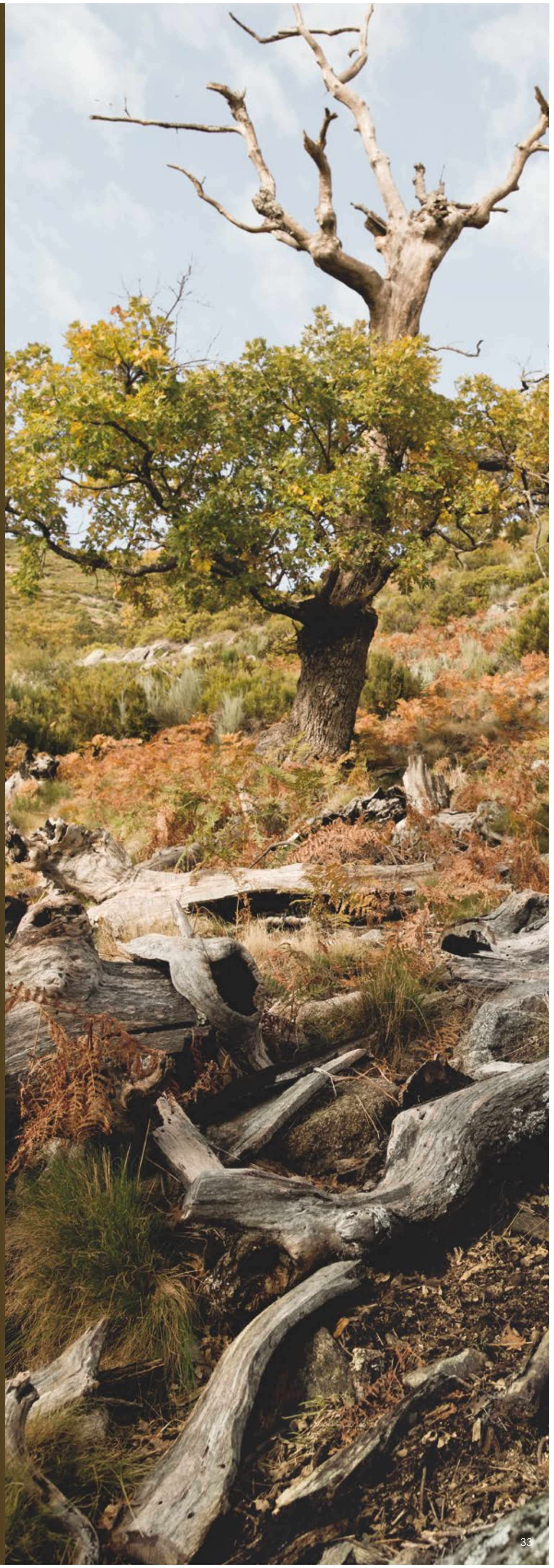
- tailored to the needs of long-range shooters
- 15 x magnification for maximum detail recognition
- greatest magnification of all rangefinding binoculars on the market

### The benefits at a glance

- integrated laser rangefinder with a reach of 1,400 yds
- equivalent horizontal range (EHR) display, EHR calculated from 10–600 yds/550 m
- one-click distance and EHR display
- outstanding brightness, excellent stray-light suppression
- classic shape, intuitive use without settings
- secure grip thanks to non-slip rubber armoring
- water and dirt repellent AquaDura® lens coating
- nitrogen filling prevents internal fogging
- guaranteed reliability from + 131°F to – 13°F, waterproof to 16.5 ft

# Technical data.

| Rangefinder | Leica Geovid 8 x 42 HD-B | Leica Geovid 10 x 42 HD-B | Leica Geovid 8 x 42 HD-R | Leica Geovid 10 x 42 HD-R | Leica Geovid 8 x 56 HD-R | Leica Geovid 15 x 56 HD-R |
|---|---|---|---|---|---|---|
| Order no. | 40 047 | 40 049 | 40 056 (meter version)<br>40 057 (yard version) | 40 058 (meter version)<br>40 059 (yard version) | 40 060 (meter version)<br>40 061 (yard version) | 40 062 (meter version)<br>40 063 (yard version) |
| Package includes | contoured neoprene carrying strap, front lens caps, eyepiece caps, Cordura case | contoured neoprene carrying strap, front lens caps, eyepiece caps, Cordura case | contoured neoprene carrying strap, front lens caps, eyepiece caps, battery, Cordura case | contoured neoprene carrying strap, front lens caps, eyepiece caps, battery, Cordura case | contoured neoprene carrying strap, front lens caps, eyepiece caps, battery, Cordura case | contoured neoprene carrying strap, front lens caps, eyepiece caps, battery, Cordura case |
| Magnification | 8 x | 10 x | 8 x | 10 x | 8 x | 15 x |
| Front lens diameter | 42 mm | 42 mm | 42 mm | 42 mm | 56 mm | 56 mm |
| Exit pupil | 5.2 mm | 4.2 mm | 5.25 mm | 4.2 mm | 7 mm | 3.7 mm |
| Twilight factor | 18.3 | 20.5 | 18.3 | 20.5 | 21.2 | 28.2 |
| Field of view at 1,000 yds/m | 426 ft / 130 m | 374 ft / 114 m | 375 ft / 125 m | 331 ft / 110 m | 354 ft / 118 m | 225 ft / 75 m |
| Close focus range | 16.5 ft / 5 m | 16.5 ft / 5 m | approx. 18.4 ft / 5.6 m | approx. 18.4 ft / 5.6 m | approx. 18.4 ft / 5.6 m | approx. 19.4 ft / 5.9 m |
| Diopter compensation | ± 4 dpt | ± 4 dpt | ± 4 dpt | ± 4 dpt | ± 4 dpt | ± 4 dpt |
| Distance measurement: Range | 10 yds / 10 m to approx. 2,000 yds / 1,825 m | 10 yds / 10 m to approx. 2,000 yds / 1,825 m | 10 yds / 10 m to approx. 1,400 yds / 1,340 m | 10 yds / 10 m to approx. 1,400 yds / 1,340 m | 10 yds / 10 m to approx. 1,400 yds / 1,340 m | 10 yds / 10 m to approx. 1,400 yds / 1,340 m |
| Measuring accuracy | ± 1 yd/m to 547 yds / 500 m,<br>± 2 yds/m to 1,094 yds / 1,000 m,<br>± 0.5 % beyond 1,094 yds / 1,000 m | ± 1 yd/m to 547 yds / 500 m,<br>± 2 yds/m to 1,094 yds / 1,000 m,<br>± 0.5 % beyond 1,094 yds / 1,000 m | ± 1 yd/m to 382 yds / 350 m<br>± 2 yds/m to 766 yds / 700 m<br>± 0.5 % beyond 766 yds / 700 m | ± 1 yd/m to 382 yds / 350 m<br>± 2 yds/m to 766 yds / 700 m<br>± 0.5 % beyond 766 yds / 700 m | ± 1 yd/m to 382 yds / 350 m<br>± 2 yds/m to 766 yds / 700 m<br>± 0.5 % beyond 766 yds / 700 m | ± 1 yd/m to 382 yds / 350 m<br>± 2 yds/m to 766 yds / 700 m<br>± 0.5 % beyond 766 yds / 700 m |
| Display | LED display with 4 characters and ambient-light-controlled brightness | LED display with 4 characters and ambient-light-controlled brightness | LED display with 4 characters and ambient-light-controlled brightness | LED display with 4 characters and ambient-light-controlled brightness | LED display with 4 characters and ambient-light-controlled brightness | LED display with 4 characters and ambient-light-controlled brightness |
| Eyecup with twist-and-pull action | yes, detachable, with 4 click-stops | yes, detachable, with 4 click-stops | yes, detachable, with 2 click-stops | yes, detachable, with 2 click-stops | yes, detachable, with 2 click-stops | yes, detachable, with 2 click-stops |
| Eyepieces for eyeglass wearers | yes | yes | yes | yes | yes | yes |
| Focusing | internal focusing with center focusing barrel | internal focusing with center focusing barrel | internal focusing with center focusing barrel | internal focusing with center focusing barrel | internal focusing with center focusing barrel | internal focusing with center focusing barrel |
| Prism system | Perger Porro-System | Perger Porro-System | roof prism with phase-correcting coating P40 | roof prism with phase-correcting coating P40 | roof prism with phase-correcting coating P40 | roof prism with phase-correcting coating P40 |
| Coating | HDC® multicoating, AquaDura® lens coating | HDC® multicoating, AquaDura® lens coating | HDC® multicoating, AquaDura® lens coating | HDC® multicoating, AquaDura® lens coating | HDC® multicoating, AquaDura® lens coating | HDC® multicoating, AquaDura® lens coating |
| Waterproof | waterproof to 16.5 ft / 5 m | waterproof to 16.5 ft / 5 m | waterproof to 16.5 ft / 5 m | waterproof to 16.5 ft / 5 m | waterproof to 16.5 ft / 5 m | waterproof to 16.5 ft / 5 m |
| Body | magnesium, nitrogen-filled | magnesium, nitrogen-filled | aluminum, nitrogen-filled | aluminum, nitrogen-filled | aluminum, nitrogen-filled | aluminum, nitrogen-filled |
| Dimensions (W x H x D) | 4.9 x 7 x 2.8 in / 125 x 178 x 70 mm | 4.9 x 6.9 x 2.8 in / 125 x 174 x 70 mm | 4.9 x 6.8 x 2.8 in / 125 x 173 x 70 mm | 4.9 x 6.6 x 2.8 in / 125 x 168 x 70 mm | 5.3 x 7.2 x 2.7 in / 135 x 182 x 68 mm | 5.3 x 8.3 x 2.8 in / 134 x 210 x 70 mm |
| Weight | approx. 34.3 oz / 975 g | approx. 34.5 oz / 980 g | approx. 33.5 oz / 950 g incl. battery | approx. 33.3 oz / 945 g incl. battery | approx. 38.8 oz / 1,100 g incl. battery | approx. 45.9 oz / 1,300 g incl. battery |
| Laser | eye-safe, invisible light laser compliant with EN and FDA Class 1 | eye-safe, invisible light laser compliant with EN and FDA Class 1 | eye-safe, invisible light laser compliant with EN and FDA Class 1 | eye-safe, invisible light laser compliant with EN and FDA Class 1 | eye-safe, invisible light laser compliant with EN and FDA Class 1 | eye-safe, invisible light laser compliant with EN and FDA Class 1 |
| Measuring mode | scan mode, single measurement | scan mode, single measurement | scan mode, single measurement | scan mode, single measurement | scan mode, single measurement | scan mode, single measurement |
| Ballistic system | yes, equivalent horizontal distance, point-of-impact correction (holdover), click / MOA adjustment | yes, equivalent horizontal distance, point-of-impact correction (holdover), click / MOA adjustment | yes, equivalent horizontal distance calculated from 10–600 yds / 550 m | yes, equivalent horizontal distance calculated from 10–600 yds / 550 m | yes, equivalent horizontal distance calculated from 10–600 yds / 550 m | yes, equivalent horizontal distance calculated from 10–600 yds / 550 m |
| Power supply | 1 x 3V / CR2 lithium button cell | 1 x 3V / CR2 lithium button cell | 1 x 3V / CR2 lithium button cell | 1 x 3V / CR2 lithium button cell | 1 x 3V / CR2 lithium button cell | 1 x 3V / CR2 lithium button cell |
| Battery life | approx. 2,000 measurements at 68 °F / 20 °C | approx. 2,000 measurements at 68 °F / 20 °C | approx. 2,000 measurements at 68° F / 20 °C | approx. 2,000 measurements at 68° F / 20 °C | approx. 2,000 measurements at 68° F / 20 °C | approx. 2,000 measurements at 68° F / 20 °C |
| Accessories (for order no. refer to pages 128 – 129) | tripod adapter, floating carrying strap | tripod adapter, floating carrying strap | tripod adapter, floating carrying strap | tripod adapter , floating carrying strap | tripod adapter, floating carrying strap | tripod adapter, floating carrying strap |



# Rangemaster CRF 1000-R.
## Precise rangefinding, accurate shots.

Flexible, easy to handle and with basic ballistics functionality – the CRF 1000-R is the best entry-level model for those who value reliable results on rough terrain.

When your target is up or downhill from your position, it's essential to ensure distance measurements are precisely corrected. The CRF 1000-R precisely measures the linear distance as well as the horizontal distance. With remarkable accuracy and versatility, the equivalent horizontal range (EHR) can be calculated from 10 to 600 yds/10 m to 550 m, making the CRF 1000-R ideal for bow hunting as well. A single press of a button displays the distance to target and the equivalent horizontal range; the unit of measurement can be changed in the same way.

Additional features include a large field of view, allowing rapid detection of the target even at long range, and an innovative LED display with automatic brightness control. The LED is particularly helpful in difficult lighting conditions because it is visibly sharper and clearer, without obscuring the target.

RANGEMASTER 1000-R
Leica
AQUADURA

LEICA RANGEMASTER CRF 1000-R

### The benefits at a glance

- ideal starter model suitable for archery and rifle hunting, with integrated basic ballistic functionality from 10 to 600 yds/10 m to 550 m
- measures both linear distance and horizontal distance
- 7 x 24-mm optics with integrated diopter compensation
- enables precise targeting, flexible application
- intuitive, simple operation, with angle-of-inclination display and yard/meter toggle
- innovative, clear LED with automatic brightness control

# Rangemaster CRF 1600-B.
# Absolute precision on every hunt.

The CRF 1600-B is the next generation of our proven CRF 1600 rangefinder and represents a new level of technological sophistication. Whether you're in the mountains or on a rugged plain – when accurate distance measurement is key, the CRF 1600-B gives you all the data that you need for a sure shot. And always with unprecedented precision.

Every aspect of the integrated ABC® ballistics system is intelligently functional. Tailored to your individual demands and specific hunting situation, you can choose between three ballistic applications. In all three options, the system automatically accounts for measurements for the angle of inclination, temperature and air pressure, plus ballistics for a precisely calculated impact-point correction.

The CRF 1600-B is extremely easy to use: regardless of weather, light and visibility conditions, it is ready for use anytime. And thanks to its excellent optics, it delivers a brilliant and clear image – even over long distances.

Leica
RANGEMASTER 1600-B

LEICA RANGEMASTER CRF 1600-B

## The benefits at a glance

- ABC® ballistics system for maximum precision – maximum versatility in all shooting situations
- secure and easy to use; ready for action
- absolutely precise rangefinding up to 1,600 yds / 1,460 m thanks to sophisticated, innovative optics and electronics
- carbon fiber and magnesium reduces weight to just 6.5 oz / 185 g
- compact, ergonomic design
- relaxed, shake-free observation even over longer periods
- for left-handers as well as right
- clear, readable LED display with automatic brightness control
- bright, crisp image, remarkable clarity of detail even in twilight
- water and dirt repellent AquaDura® lens coating

# Technical data.

| Rangefinder | Leica Rangemaster CRF 1600-B | Leica Rangemaster CRF 1000-R |
|---|---|---|
| Order no. | 40534 | 40535 |
| Package includes | Cordura case,<br>carrying strap, and battery | Cordura case,<br>carrying strap and battery |
| Magnification | 7x | 7x |
| Front lens diameter | 24mm | 24mm |
| Exit pupil | 3.4mm | 3.4mm |
| Field of view at 1,000 yds/m | 347ft/115m | 347ft/115m |
| Eye relief | 15mm | 15mm |
| Objective angle of view | 6.6° | 6.6° |
| Diopter compensation | ± 3.5 dpt | ± 3.5 dpt |
| Distance measurement:<br>Range | 10 yds/10 m to approx.<br>1,600 yds/1,460 m | 10 yds / 10 m to approx.<br>1,000 yds / 915 m |
| Measuring mode | scan mode, single measurement | scan mode, single measurement |
| Measuring accuracy | ± 1 yd/m to 400 yds/366 m<br>± 2 yds/m to 800 yds/732 m<br>± 0.5 % beyond 800 yds/732 m | ± 1 yd/m to 410 yds/375 m,<br>± 2 yds/m to 820 yds/750 m,<br>± 0.5 % over 820 yds/750 m |
| Ballistic system | yes, equivalent horizontal distance,<br>point-of-impact correction,<br>click/MOA adjustment | yes, equivalent horizontal range |
| Eyepieces for eyeglass wearers | yes | yes |
| Temperature display | yes | no |
| Barometric pressure display | yes | no |
| Angle of incline display | yes | yes |
| Display | LED display with 4 characters and ambient-light-controlled brightness | LED display with 4 characters and ambient-light-controlled brightness |
| Eyecup | rubber foldout eyecup | rubber foldout eyecup |
| Prism system | roof prism with phase-correcting coating P40 | roof prism with phase-correcting coating P40 |
| Coating | AquaDura® coating on external lens | AquaDura® coating on external lens |
| Waterproof | waterproof to 3.28 ft/ 1 m water depth | waterproof to 3.28 ft/ 1 m water depth |
| Body | carbon-reinforced plastic | carbon-reinforced plastic |
| Chassis | magnesium | magnesium |
| Dimensions (W x H x D) | 4.4 x 2.9 x 1.3 in/113 x 75 x 34 mm | 4.4 x 2.9 x 1.3 in/113 x 75 x 34 mm |
| Weight | approx. 6.5 oz/185 g | approx. 6.5 oz/185 g |
| Laser | eye-safe, invisible-light laser compliant with EN and FDA Class 1 | eye-safe, invisible-light laser compliant with EN and FDA Class 1 |
| Meter/yard toggle | yes | yes |
| Power supply | 1 x 3V / CR2 lithium button cell | 1 x 3V / CR2 lithium button cell |
| Battery life | approx. 3,000 measurements at 68 °F/20 °C | approx. 3,000 measurements at 68 °F/20 °C |

Through the countryside on horseback. In fall, the southern region of the Gredos National Park is at its most beautiful. Deep greens and rich brown tones dominate the landscape, as you wind through a veritable kaleidoscope of colors.

Leica
ULTRAVID 8x42 HD

# For more than 100 years ...

... we have developed optical instruments that meet the very highest standards. Time and again, Leica has been a trailblazer in the world of binoculars.

From the beginning, our innovations set the benchmarks that others aspired to. We boast a proud history: from the Binocle 6 x 18, the very first series-production binoculars, and the Amplivid 6 x 24, the remarkable, wide-angle binoculars released 50 years later, to the much-loved Trinovid series, to the Geovid, the first binoculars with an integrated laser rangefinder.

And of course the Leica Ultravid HD, launched in 2007: they marked a new era in long-range optical products and instruments. With their fluoride lenses, these high-end binoculars represent the very best in optical performance.

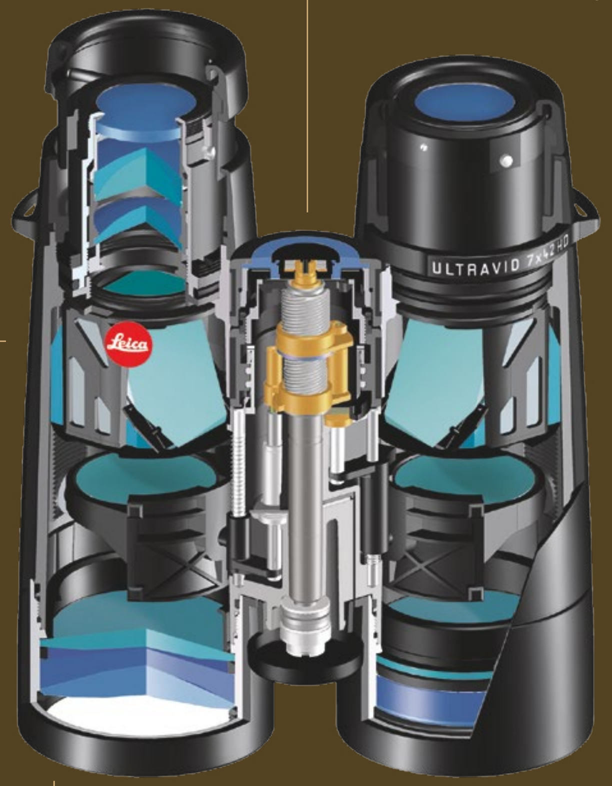
# Ultravid HD binoculars.
## The perfect viewing experience.

Anyone looking for the best in binoculars simply cannot overlook the Leica Ultravid HD models. They transform any moment into an unforgettable viewing experience and the love of detail into pure passion.

With unmatched style, these high-end binoculars reveal what today's technology makes possible: fluoride lenses ensure brilliant color fidelity and perfect contrast, delivering unparalleled image brightness and captivating clarity. Their outstanding performance is enhanced by efficient stray-light suppression.

The focusing mechanism of the Ultravid HD binoculars is unerringly smooth – for reliable, fast, and precise focusing. The central hinge axis is machined from high-tensile titanium, while the body is manufactured from ultra-lightweight magnesium. All models are absolutely waterproof (highest pressure rating available) and rubber-armored to provide perfect grip and prevent slipping. The lenses are reliably protected against water and dirt by our AquaDura® coating. Even in the pouring rain, the Ultravid is perfect for any type of hunting, thanks to its remarkably robust construction.

The patented twist-up eyecups with two click-stops offer the best in viewing comfort for users who wear glasses.



**Patented twist-up eyecups:**
two click-stops ensures comfortable positioning around the eyes

**Focusing mechanism:**
reliable, fast and precise focusing without the need to readjust

**Industry-leading waterproofing:**
submersible to 16.5 ft / 5 m

**Magnesium housing:**
ultra-light and extremely robust – under all conditions

**Rubber armoring:**
perfect grip, slip-free in every situation

**Design:**
ergonomic, for fatigue-free observation

**Fluoride lens:**
for unbeatable color fidelity and contrast

**AquaDura® coating:**
water and dirt immediately fall away

LEICA ULTRAVID 7 x 42 HD

# Ultravid HD 32.
## Compact and uncompromising.

The Ultravid HD 32 binoculars are the most compact in their class. They are ideal for mountain hunts or when stalking. Light weight and high performance, they are extremely easy to use and focus with precision. Whether you use them as your primary binoculars or as a back-up pair, the compact Ultravid HD 32 will quickly become a permanent part of your hunting kit.

You can choose between 8 x magnification for a wider view with a steadier image and 10 x magnification to bring more distant objects closer.

### LEICA ULTRAVID 8 x 32 HD

**The essential details**

- ultra-wide 404 ft/135 m field of view
- ideal for hunting
- low weight ensures unencumbered mobility
- stress-free viewing in daylight and early twilight

ULTRAVID 8x32 HD
Leica

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### LEICA ULTRAVID 10 x 32 HD

**The essential details**

- 10 x magnification lets you identify your target accurately: species, age, and sex
- brilliant, superbly detailed viewing experiences
- best viewing in daylight
- wide 352 ft/118 m field of view

ULTRAVID 10x32 HD
Leica

### The benefits at a glance

- fatigue-free carrying and viewing, even on long and strenuous tours
- maximum ruggedness with minimum weight
- uncompromising optical performance
- HD optics for optimum image brightness with constant color neutrality
- water and dirt repellent AquaDura® lens coating
- edge-to-edge image sharpness for precise viewing
- industry-leading waterproofing, submersible to 16.5 ft/5 m

# Technical data.

| Binoculars | Leica Ultravid 8 x 32 HD | Leica Ultravid 10 x 32 HD |
|---|---|---|
| Order no. | 40 290 | 40 291 |
| Package includes | contoured neoprene carrying strap, front lens caps, eyepiece caps, Cordura case | contoured neoprene carrying strap, front lens caps, eyepiece caps, Cordura case |
| Magnification | 8 x | 10 x |
| Front lens diameter | 32 mm | 32 mm |
| Exit pupil | 4 mm | 3.2 mm |
| Twilight factor | 16 | 17.9 |
| Field of view at 1,000 yds/m | 404 ft / 135 m | 352 ft / 118 m |
| Eye relief | 13.3 mm | 13.2 mm |
| Objective angle of view | 7.7° | 6.7° |
| Close focus range | approx. 7.2 ft/2.1 m | approx. 6.6 ft/2 m |
| Diopter compensation | ± 4 dpt | ± 4 dpt |
| Eyepieces for eyeglass wearers | yes | yes |
| Eyecup with twist-and-pull action | yes, removable, with 2 click-stops | yes, removable, with 2 click-stops |
| Adjustable interpupillary distance | 52 – 74 mm | 52 – 74 mm |
| Focusing | internal focusing via central focusing device | internal focusing via central focusing device |
| Prism system | roof prism with phase-correcting coating P40 and HighLux-System HLS® | roof prism with phase-correcting coating P40 and HighLux-System HLS® |
| Coating | HDC® multicoating and AquaDura® lens coating | HDC® multicoating and AquaDura® lens coating |
| Waterproof | waterproof to 16.5 ft/5 m | waterproof to 16.5 ft/5 m |
| Body | magnesium, nitrogen-filled | magnesium, nitrogen-filled |
| Dimensions (W x H x D) | 4.57 x 4.57 x 2.2 in/ 116 x 116 x 56 mm | 4.57 x 4.7 x 2.2 in/ 116 x 120 x 56 mm |
| Weight | approx. 18.9 oz/535 g | approx. 19.9 oz/565 g |
| Accessories (for order no. refer to pages 128 – 129) | tripod adapter, floating carrying strap | tripod adapter, floating carrying strap |

Every nature lover's dream. Along narrow paths, across wooden bridges and over rivers – springing from rock to rock – the trail leads them higher and higher into the mountains.

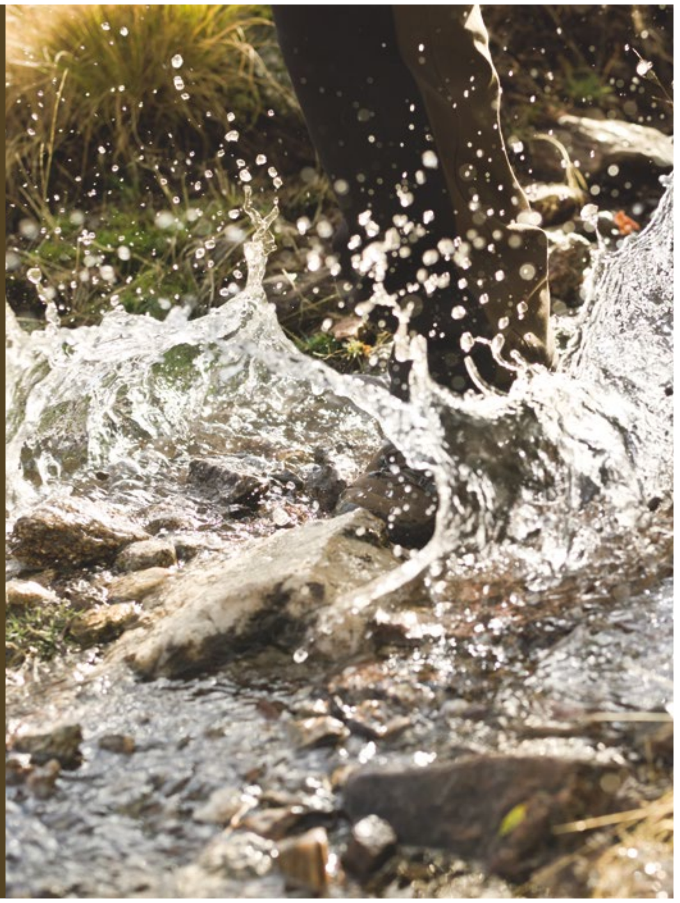
# Ultravid HD 42.
## Versatile and practical.

The binoculars of the 42 series are ideal all-rounders. They bridge the gap between the light and compact 32 mm models and the brighter, larger 50 series models. They are the perfect universal pair of binoculars.

Their ergonomic design deserves a special mention: the specially molded thumb rests on the underside ensure that the binoculars can be held steadily without any risk of slipping. The large central focusing wheel is another benefit. It enables a natural, comfortable grip that ensures that you remain relaxed and can concentrate fully, even when viewing for longer periods. Despite their compact form, their brightness makes them ideal for poor light conditions.

### The benefits at a glance

- reliable all-purpose binoculars
- HD optics for optimum image brightness with constant color neutrality
- high-contrast viewing thanks to large front lens diameter, even in unfavorable light and visibility
- water and dirt repellent AquaDura® lens coating
- industry-leading waterproofing, submersible to 16.5 ft / 5 m



### LEICA ULTRAVID 7 x 42 HD

**The essential details**

- very wide 420 ft / 140 m field of view lets you observe a broad area
- perfect for dawn and twilight observation and for marine application
- 6 mm wide exit pupil – absolutely steady image for comfortable, fatigue-free viewing
- 7 x magnification guarantees a steady and detail-rich image

Leica
ULTRAVID 7x42 HD

### LEICA ULTRAVID 8 x 42 HD

**The essential details**

- the all-round instrument for a wide range of conditions and uses
- high-contrast viewing in daylight and twilight, good detail resolution
- wide 389 ft / 130 m field of view

Leica
ULTRAVID 8x42 HD

### LEICA ULTRAVID 10 x 42 HD

**The essential details**

- ideal for daylight viewing at greater distances
- highly detailed resolution thanks to 10 x magnification
- broad 336 ft / 112 m field of view
- lightweight, compact: a pleasure to use

Leica
ULTRAVID 10x42 HD

# Technical data.

| Binoculars | Leica Ultravid 7 x 42 HD | Leica Ultravid 8 x 42 HD | Leica Ultravid 10 x 42 HD |
|---|---|---|---|
| Order no. | 40 292 | 40 293 | 40 294 |
| Package includes | contoured neoprene carrying strap, front lens caps, eyepiece caps, Cordura case | contoured neoprene carrying strap, front lens caps, eyepiece caps, Cordura case | contoured neoprene carrying strap, front lens caps, eyepiece caps, Cordura case |
| Magnification | 7 x | 8 x | 10 x |
| Front lens diameter | 42 mm | 42 mm | 42 mm |
| Exit pupil | 6 mm | 5.2 mm | 4.2 mm |
| Twilight factor | 17.1 | 18.3 | 20.5 |
| Field of view at 1,000 yds/m | 420 ft / 140 m | 389 ft / 130 m | 336 ft / 112 m |
| Eye relief | 17 mm | 15.5 mm | 16 mm |
| Objective angle of view | 8° | 7.4° | 6.4° |
| Close focus range | approx. 10.8 ft/3.3 m | approx. 9.8 ft/3 m | approx. 9.5 ft/2.9 m |
| Diopter compensation | ± 4 dpt | ± 4 dpt | ± 4 dpt |
| Eyepieces for eyeglass wearers | yes | yes | yes |
| Eyecup with twist-and-pull action | yes, removable, with 2 click-stops | yes, removable, with 2 click-stops | yes, removable, with 2 click-stops |
| Adjustable interpupillary distance | 55 – 75 mm | 55 – 75 mm | 55 – 75 mm |
| Focusing | internal focusing via central focusing device | internal focusing via central focusing device | internal focusing via central focusing device |
| Prism system | roof prism with phase-correcting coating P40 and HighLux-System HLS® | roof prism with phase-correcting coating P40 and HighLux-System HLS® | roof prism with phase-correcting coating P40 and HighLux-System HLS® |
| Coating | HDC® multicoating and AquaDura® lens coating | HDC® multicoating and AquaDura® lens coating | HDC® multicoating and AquaDura® lens coating |
| Waterproof | waterproof to 16.5 ft/5 m | waterproof to 16.5 ft/5 m | waterproof to 16.5 ft/5 m |
| Body | magnesium, nitrogen-filled | magnesium, nitrogen-filled | magnesium, nitrogen-filled |
| Dimensions (W x H x D) | 4.7 x 5.6 x 2.7 in/<br>120 x 141 x 68 mm | 4.8 x 5.6 x 2.6 in/<br>121 x 142 x 67 mm | 4.7 x 5.8 x 2.7 in/<br>120 x 147 x 68 mm |
| Weight | approx. 27.2 oz/770 g | approx. 27.9 oz/790 g | approx. 26.5 oz/750 g |
| Accessories (for order no. refer to pages 128 – 129) | tripod adapter,<br>floating carrying strap | tripod adapter,<br>floating carrying strap | tripod adapter,<br>floating carrying strap |

The difficult climb ends in a more than a fabulous view. On clear days, you feel that you can see all of Spain from up here.

# Ultravid HD 50.
## High-contrast and bright.

The Ultravid HD 50 binoculars are specifically designed to give you a clear view of your target even in the faintest light – from twilight and into the night. They deliver excellent contrast and an image brightness that other binoculars with larger lenses can barely match. For hunting in the darkest conditions, the Ultravid 50 is the ultimate optical device.

Fluoride lenses ensure perfect imaging characteristics. The easy-to-use focusing system guarantees easy, precise, and reliable setting and focusing.

### The benefits at a glance

- ideal binoculars for twilight viewing
- HD optics for optimum image brightness with excellent color neutrality
- water and dirt repellent AquaDura® lens coating
- outstanding brightness
- weight advantage over binoculars with 50 mm objective lenses, with superb ergonomic balance
- industry-leading waterproofing, submersible to 16.5 ft / 5 m

## LEICA ULTRAVID 8 x 50 HD

**The essential details**

- the ultimate binoculars for low light observation
- large exit pupil ensures comfortable, fatigue-free viewing
- 8 x magnification guarantees a steady viewing image with a broad field of view
- bright images, well into the hours of dusk or in marine application

## LEICA ULTRAVID 10 x 50 HD

**The essential details**

- good detail resolution, even at greater distances
- ideally balanced ratio of magnification to brightness
- very good twilight performance

## LEICA ULTRAVID 12 x 50 HD

**The essential details**

- outstanding for viewing at extreme distances
- precise recognition and identification of details
- excellent twilight performance

# Technical data.

| Binoculars | Leica Ultravid 8 x 50 HD | Leica Ultravid 10 x 50 HD | Leica Ultravid 12 x 50 HD |
|---|---|---|---|
| Order no. | 40 295 | 40 296 | 40 297 |
| Package includes | contoured neoprene carrying strap, front lens caps, eyepiece caps, Cordura case | contoured neoprene carrying strap, front lens caps, eyepiece caps, Cordura case | contoured neoprene carrying strap, front lens caps, eyepiece caps, Cordura case |
| Magnification | 8 x | 10 x | 12 x |
| Front lens diameter | 50 mm | 50 mm | 50 mm |
| Exit pupil | 6.2 mm | 5 mm | 4.2 mm |
| Twilight factor | 20 | 22.4 | 24.5 |
| Field of view at 1,000 yds / m | 352 ft / 117 m | 352 ft / 117 m | 299 ft / 100 m |
| Eye relief | 17 mm | 15 mm | 13 mm |
| Objective angle of view | 6.7° | 6.7° | 5.7° |
| Close focus range | approx. 11.5 ft / 3.5 m | approx. 10.8 ft / 3.3 m | approx. 10.5 ft / 3.2 m |
| Diopter compensation | ± 4 dpt | ± 4 dpt | ± 4 dpt |
| Eyepieces for eyeglass wearers | yes | yes | yes |
| Eyecup with twist-and-pull action | yes, removable, with 2 click-stops | yes, removable, with 2 click-stops | yes, removable, with 2 click-stops |
| Adjustable interpupillary distance | 58 – 74 mm | 58 – 74 mm | 58 – 75 mm |
| Focusing | internal focusing via central focusing device | internal focusing via central focusing device | internal focusing via central focusing device |
| Prism system | roof prism with phase-correcting coating P40 and HighLux-System HLS® | roof prism with phase-correcting coating P40 and HighLux-System HLS® | roof prism with phase-correcting coating P40 and HighLux-System HLS® |
| Coating | HDC® multicoating and AquaDura® lens coating | HDC® multicoating and AquaDura® lens coating | HDC® multicoating and AquaDura® lens coating |
| Waterproof | waterproof to 16.5 ft / 5 m | waterproof to 16.5 ft / 5 m | waterproof to 16.5 ft / 5 m |
| Body | magnesium, nitrogen-filled | magnesium, nitrogen-filled | magnesium, nitrogen-filled |
| Dimensions (W x H x D) | 4.7 x 7.2 x 2.7 in / 120 x 182 x 68 mm | 4.9 x 7 x 2.8 in / 125 x 178 x 70 mm | 4.7 x 7.2 x 3 in / 120 x 182 x 78 mm |
| Weight | approx. 36.7 oz / 1,000 g | approx. 36.7 oz / 1,000 g | approx. 35.3 oz / 1,040 g |
| Accessories (for order no. refer to pages 128 – 129) | tripod adapter, floating carrying strap | tripod adapter, floating carrying strap | tripod adapter, floating carrying strap |

It is unclear whether the resident vultures are on the lookout for carrion, or whether they are waiting for an animal to be shot by the hunters. Either way, even from a distance, the magnificent birds of prey with their 10 foot wide wingspan leave an unforgettable impression.

# Ultravid Blackline 42.
# Extremely light and powerful.

Classic style combined with superb performance. Thanks to their elegant leather trim, Ultravid Blackline binoculars are not only particularly attractive, but they also weigh less than 25 oz/700 g. In fact, they are the lightest 42 mm premium binoculars.

Despite being light and compact, they boast an impressive range of features. The large focusing barrel is very easy to use. It offers a comfortable grip and enables fast, precise adjustment of the binoculars for various viewing situations.

The point of optimum focus can always be found quickly thanks to the extremely short focusing travel of little more than one complete turn.

## LEICA ULTRAVID 8 x 42 BLACKLINE

**The essential details**

- the perfect all-rounder: high-contrast viewing in daylight and twilight; good detail resolution
- optimum ratio of magnification to field of view, brightness, and weight
- wide 389 ft/130 m field of view

## LEICA ULTRAVID 10 x 42 BLACKLINE

**The essential details**

- high detail resolution thanks to 10 x magnification
- ideal for daylight viewing at greater distances
- broad 336 ft/112 m field of view

### The benefits at a glance

- the established classic favorite
- the only roof-prism binoculars with classically elegant leather trim
- timeless and enduring
- easy and comfortable handling
- including premium-quality leather box

# Technical data.

| Binoculars | Leica Ultravid 8 x 42 Blackline | Leica Ultravid 10 x 42 Blackline |
|---|---|---|
| Order no. | 40 271 | 40 272 |
| Package includes | contoured neoprene carrying strap, eyepiece caps, deep-drawn leather box | contoured neoprene carrying strap, eyepiece caps, deep-drawn leather box |
| Magnification | 8 x | 10 x |
| Front lens diameter | 42 mm | 42 mm |
| Exit pupil | 5.2 mm | 4.2 mm |
| Twilight factor | 18.3 | 20.5 |
| Field of view at 1,000 yds/m | 389 ft / 130 m | 336 ft / 112 m |
| Eye relief | 15.5 mm | 16 mm |
| Objective angle of view | 7.4° | 6.4° |
| Close focus range | approx. 9.8 ft / 3 m | approx. 9.5 ft / 2.9 m |
| Diopter compensation | ± 4 dpt | ± 4 dpt |
| Eyepieces for eyeglass wearers | yes | yes |
| Eyecup with twist-and-pull action | yes, removable, with 2 click-stops | yes, removable, with 2 click-stops |
| Adjustable interpupillary distance | 55 – 75 mm | 55 – 75 mm |
| Focusing | internal focusing via central focusing device | internal focusing via central focusing device |
| Prism system | roof prism with phase-correcting coating P40 and HighLux-System HLS® | roof prism with phase-correcting coating P40 and HighLux-System HLS® |
| Coating | HDC® multicoating | HDC® multicoating |
| Waterproof | waterproof to 16.5 ft/5 m | waterproof to 16.5 ft/5 m |
| Body | magnesium, nitrogen-filled | magnesium, nitrogen-filled |
| Dimensions (W x H x D) | 4.8 x 5.6 x 2.5 in/<br>121 x 141 x 63 mm | 4.8 x 5.7 x 2.5 in/<br>121 x 146 x 63 mm |
| Weight | approx. 25 oz/710 g | approx. 24.7 oz/695 g |
| Accessories (for order no. refer to pages 128 – 129) | tripod adapter, floating carrying strap | tripod adapter, floating carrying strap |

As they move steadily upwards, the landscape continually changes. The lush and colorful vegetation leads to a plateau, covered with mountain grass and ferns. Despite the harsh landscape, the view from the plateau is majestic. In the distance: the breath-taking vista of the snow-capped mountain range.

# Ultravid BR/Blackline 20.
## Handy and versatile.

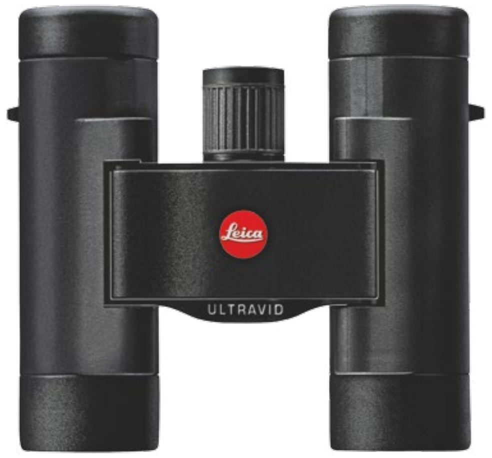
These compact binoculars are the perfect go-everywhere companion for any hunting situation. They impress with their extremely convenient size and excellent optical performance. Brighter and sharper than other binoculars of this lens size, these compact models are true to the high standard of the Ultravid class. Aspherical lenses ensures that images are large, focused from edge to edge and free of color fringes. The diopter is adjusted with the touch of a button. AquaDura® coating protects the lens against water and dirt and both models are waterproof to 16.5 ft / 5 m making them ideal for a fishing pocket as well.

Impressive performance and good-looking, too: available in the rubber armored BR version and the elegant black leather trim of the Blackline.

### LEICA ULTRAVID 8 x 20 BLACKLINE

**The essential details**

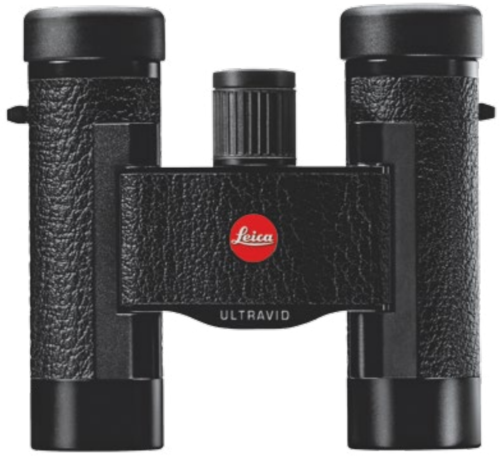
- the classic elegance of refined leather trim
- small and compact
- extremely low weight: just 8.1 oz / 230 g



### LEICA ULTRAVID 8 x 20 BR

**The essential details**

- only 4.4 x 3.7 in / 111 x 93 mm in size
- 8 x magnification for steady viewing
- wide 341 ft / 113 m field of view
- full rubber armoring for maximum resilience



### The benefits at a glance

- the benchmark standard for compact binoculars
- brilliant, high-contrast and tack-sharp viewing
- extremely good stray-light suppression
- nitrogen filling prevents internal fogging
- water and dirt repellent AquaDura® lens coating
- eyepieces particularly comfortable for wearers of glasses
- focusing wheel with maximum grip and integrated diopter compensation
- waterproof to 16.5 ft / 5 m

# Ultravid BR/Blackline 25.
## Small size and great performance.

Like the Ultravid 20 Blackline/BR, the compact Ultravid 25 Blackline (finished in classic leather) and Ultravid 25 BR (finished in resilient rubber) binoculars make ideal companions. Robust and powerful, the rubber armoring protects these pocket-sized devices from the challenges of life in the field.

The HighLux System HLS® delivers visibly brighter images while also boosting contrast. In conjunction with the HDC® multi-layer coating developed by Leica, all images are absolutely brilliant and boast excellent color fidelity.

AquaDura® lens coating provides added protection from dirt. Waterproof to 16.5 ft/5 m, these models are nitrogen-filled in order to prevent internal fogging. The Ultravid 25 Blackline/BR are complemented by a range of high-quality accessories.

These compacts are available as rubber-armored BR and classically elegant Blackline versions.

### LEICA ULTRAVID 10 x 25 BLACKLINE

**The essential details**

- the classic elegance of refined leather trim
- extremely low weight of only 9.0 oz/255 g
- outstanding close-focusing limit of 10.5 ft/3.2 m

### LEICA ULTRAVID 10 x 25 BR

**The essential details**

- the high-resilience of rubber armoring
- 10 x magnification for a richly detailed view
- dimensions 4.4 x 4.4 x 1.9 in/111 x 112 x 39 mm

### The benefits at a glance

- the benchmark standard for compact binoculars
- brilliant, high-contrast, and pin-sharp viewing
- extremely good stray-light suppression
- nitrogen filling prevents internal fogging
- water and dirt repellent AquaDura® lens coating
- eyepieces particularly comfortable for wearers of glasses
- focusing wheel with maximum grip and integrated diopter compensation
- waterproof to 16.5 ft/5 m
- double-hinge folding mechanism for particularly compact size

# Technical data.

| **Binoculars** | **Leica Ultravid 8 x 20 BR/Blackline** | **Leica Ultravid 10 x 25 BR/Blackline** |
|---|---|---|
| Order no:<br>leather trim, black<br>rubber-armored, black | 40 263 (Blackline)<br>40 252 (BR) | 40 264 (Blackline)<br>40 253 (BR) |
| Package includes | woven fabric carrying strap, eyepiece caps, brown leather case (Blackline) / Cordura case (BR) | woven fabric carrying strap, eyepiece caps, brown leather case (Blackline) / Cordura case (BR) |
| Magnification | 8 x | 10 x |
| Front lens diameter | 20 mm | 25 mm |
| Exit pupil | 2.5 mm | 2.5 mm |
| Twilight factor | 12.7 | 15.8 |
| Field of view at 1,000 yds/m | 341 ft / 113 m | 273 ft/90 m |
| Eye relief | 15 mm | 15 mm |
| Objectiv angle of view | 6.5° | 5.2° |
| Close focus range | approx. 6 ft / 1.8 m | approx. 10.5 ft /3.2 m |
| Diopter compensation | ± 3.5 dpt | ± 3.5 dpt |
| Eyepieces for eyeglass wearers | yes | yes |
| Eyecup with twist-and-pull action | yes | yes |
| Adjustable interpupillary distance | 34 – 74 mm | 34 – 74 mm |
| Focusing | internal focusing via central focusing knob | internal focusing via central focusing knob |
| Prism system | roof prism with phase-correcting coating P40 and HighLux-System HLS® | roof prism with phase-correcting coating P40 and HighLux-System HLS® |
| Coating | HDC® multicoating and AquaDura® lens coating | HDC® multicoating and AquaDura® lens coating |
| Waterproof | waterproof to 16.5 ft/5 m | waterproof to 16.5 ft/5 m |
| Body | aluminum, nitrogen-filled | aluminum, nitrogen-filled |
| Dimensions (W x H x D) | 4.4 x 3.7 x 1.5 in/<br>111 x 93 x 39 mm | 4.4 x 4.4 x 1.9 in/<br>111 x 112 x 39 mm |
| Weight | approx. 8.1 oz/8.5 oz<br>230 g/240 g | approx. 9.0 oz/9.4 oz<br>255 g/265 g |
| Accessories (for order no. refer to pages 128 – 129) | brown leather case | brown leather case |

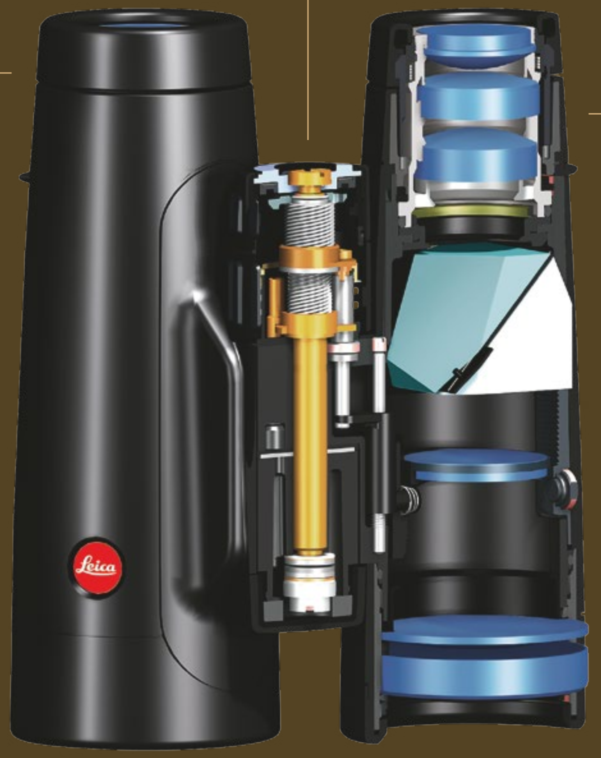
Typically Spanish and utterly delicious – and even more so during an arduous mountain ascent. Fresh fruit, local ham and cheese make up the midday meal, and ice-cold water from the crystalline mountain stream quenches the hunters' thirst.

# Trinovid binoculars.
# Absolute dependability.

The first Trinovid was built in 1958. Named for three novel innovations (“Tri Novi”) ergonomic construction, true internal focusing and superior optical performance. Meticulous attention to details, technical know-how and the constant aim for better performance has led to the continual improvement of the Trinovid line.

There are currently two series of models, the Trinovid 42 and the Trinovid 20/25 BCA. The Trinovid 42 binoculars mark the return of a much-sought-after classic with a legendary reputation earned over more than 50 years of production. Both the Trinovid 8 x 42 and the Trinovid 10 x 42 offer excellent optical performance and outstanding mechanical precision. And, just like the earlier generations, the Trinovid are also practically indestructible. Full-rubber armoring makes them incomparably resilient. When the great outdoors places such enormous demands on you and your optical equipment, a Trinovid 42 is a truly dependable companion that’s always ready for use.

The Trinovid 8 x 20 BCA and 10 x 25 BCA are small, high-quality compact binoculars that are, in technical terms, comparable with many larger types of binoculars. These handy compacts are ideal for those situations when space and weight are prime considerations, for instance on long trips or when travelling.



**Patented multifunctional centerwheel:** superb ease in focusing and diopter adjustment

**Full rubber armoring:** full-rubber armoring guarantees perfect grip, secure handling and maximum resilience to impact

**Performance:** legendary time-tested performance

**Internal focusing:** intuitive and easy to use

**HDC® multi-layer coating:** high light transmission with excellent scratch resistance

**Design:** compact and ergonomic, low weight

LEICA TRINOVID 8 x 42 HD

# Trinovid 42.
# Rugged and dependable.

Both the Trinovid 8 x 42 and Trinovid 10 x 42 reliably master all hunting challenges. They are virtually indestructible and deliver uncompromising performance.

The two models feature excellent optical performance and precisely-engineered mechanics. The patented multifunctional center wheel, in particular, offers superb ease in focusing and diopter adjustment. Eyecups with four detent positions provide optimal comfort for eyeglass and sunglass wearers.

The nitrogen-filled magnesium body of the Trinovid 42 resists all environmental impacts, while the ergonomic design makes them a pleasure to hold and handle on even the longest trips. Including the complete bridge element, it's full rubber amoring ensures a non-slip, secure grip and makes these models even more robust.

Whether as your primary or secondary glass – with the Trinovid 42 you always make the ideal choice.

## LEICA TRINOVID 8 x 42

**The essential details**

- perfect all-round binoculars
- fatigue-free viewing well into dusk
- absolutely steady image for comfortable viewing
- large depth of field provided by 8 x magnification

## LEICA TRINOVID 10 x 42

**The essential details**

- ideal for viewing at extreme distances
- brilliant panoramic views and detailed close-range observation
- excellent low-light performance combined with compact size

### The benefits at a glance

- excellent optical performance
- outstanding contrast and superior detail rendition
- waterproof to 16.5 ft / 5 m, so internal optical systems are protected
- HDC® multi-layer coating ensures high image brightness
- full-rubber armoring guarantees perfect grip, secure handling and maximum resilience to impact

# Trinovid BCA.
## Excellent and rugged.

Functional reliability, rugged construction, high-quality optics and outstanding value for money are the key features of the Trinovid BCA.

As a Trinovid, these compact binoculars deliver impressive viewing performance across a wide range of applications. Whether as your primary binoculars or as a back-up, all models are lightweight, convenient and make the perfect companion for all your outdoor activities.

Leica's own HDC® multi-layer coating ensures color fidelity and high-contrast viewing under even the most demanding conditions.

### LEICA TRINOVID 8 x 20 BCA

**The essential details**

- 8 x magnification for steady viewing
- wide 341 ft/113 m field of view
- short close-focusing limit of 9.8 ft/3 m
- compact and light, only 3.8 x 3.6 in/ 96 x 92 mm and 8.3 oz/235 g

TRINOVID
8x20 BCA
Leica

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### LEICA TRINOVID 10 x 25 BCA

**The essential details**

- 10 x magnification for viewing at greater distances
- excellent sharpness and contrast performance
- rugged, die-cast aluminum body shell
- 9.0 oz/255 g lightweight

TRINOVID
10x25 BCA
Leica

### The benefits at a glance

- outstanding optical performance in pocket-sized format
- HDC® multi-layer coating for high-contrast image with excellent color fidelity
- non-slip rubber armoring
- lightweight, handy, and splash-proof
- easily set diopter compensation
- double-hinge folding mechanism
- for particularly compact size

# Technical data.

| **Binoculars** | **Leica Trinovid 8 x 42** | **Leica Trinovid 10 x 42** | **Leica Trinovid 8 x 20 BCA** | **Leica Trinovid 10 x 25 BCA** |
|---|---|---|---|---|
| Order no. | 40 008 | 40 009 | 40 342 | 40 343 |
| Package includes | contoured neoprene carrying strap, front lens caps, eyepiece caps, Cordura case | contoured neoprene carrying strap, front lens caps, eyepiece caps, Cordura case | carrying lanyard, Cordura case with belt loop | carrying lanyard, Cordura case with belt loop |
| Magnification | 8 x | 10 x | 8 x | 10 x |
| Front lens diameter | 42 mm | 42 mm | 20 mm | 25 mm |
| Exit pupil | 5.3 mm | 4.2 mm | 2.5 mm | 2.5 mm |
| Twilight factor | 18.3 | 20.5 | 12.65 | 15.8 |
| Field of view at 1,000 yds/m | 378 ft / 126 m | 324 ft / 108 m | 341 ft / 113 m | 273 ft/90 m |
| Eye relief | 15.5 mm | 16 mm | 14 mm | 14.6 mm |
| Objective angle of view | 7.2° | 6.2° | 6.5° | 5.2° |
| Close focus range | approx. 11.5 ft/3.5 m | approx. 11.5 ft/3.5 m | approx. 9.8 ft/3 m | approx. 16.5 ft/5 m |
| Diopter compensation | ± 4 dpt | ± 4 dpt | ± 3.5 dpt | ± 3.5 dpt |
| Eyepieces for eyeglass wearers | yes | yes | yes | yes |
| Eyecup with twist-and-pull action | removable, with 4 click-stops | removable, with 4 click-stops | extendable | extendable |
| Adjustable interpupillary distance | 55 – 75 mm | 55 – 75 mm | 32 – 74 mm | 32 – 74 mm |
| Focusing | internal focusing via central focusing wheel drive | internal focusing via central focusing wheel drive | internal focusing via central focusing wheel drive | internal focusing via central focusing wheel drive |
| Prism system | roof prism with phase-correcting coating P40 and HighLux-System HLS® | roof prism with phase-correcting coating P40 and HighLux-System HLS® | roof prism with phase-correcting coating P40 and HighLux-System HLS® | roof prism with phase-correcting coating P40 and HighLux-System HLS® |
| Coating | HDC® multicoating | HDC® multicoating | HDC® multicoating | HDC® multicoating |
| Waterproof | up to 16.5 ft/5 m | up to 16.5 ft/5 m | splash-proof | splash-proof |
| Body | magnesium, nitrogen-filled | magnesium, nitrogen-filled | aluminum | aluminum |
| Dimensions (W x H x D) | 4.8 x 5.6 x 2.6 in/<br>121 x 142 x 67 mm | 4.7 x 5.8 x 2.7 in/<br>120 x 147 x 68 mm | 3.8 x 3.6 x 1.5 in/<br>96 x 92 x 37 mm | 4.3 x 3.6 x 1.5 in/<br>110 x 92 x 37 mm |
| Weight | approx. 28.6 oz/810 g | approx. 28 oz/795 g | approx. 8.3 oz/235 g | approx. 9.0 oz/255 g |
| Accessories (for order no. refer to pages 128 – 129) | tripod adapter,<br>floating carrying strap | tripod adapter,<br>floating carrying strap | leather case | leather case |

The higher the trail takes them, the more inhospitable the landscape becomes. Barren rocks rise steeply. Mists passes and temporarily impedes the view of the slopes. Acutely aware: behind every bend, beyond every slope, the ibex could suddenly appear at any moment.

# Duovid binoculars.
## Twofold versatility and quality.

Two different magnification settings in one pair of binoculars guarantee superb viewing versatility. The Duovid 8 + 12 x 42 and the Duovid 10 + 15 x 50 offer this feature, unmatched by any other premium binoculars. They switch between the two levels of magnification with a simple adjustment of the eye-piece rings. Once set, the diopter value remains unchanged even when you switch power of magnification, thanks to innovative ADC®, the automatic diopter compensation function.

For broad scanning or detailed observation, over long distances or in time-critical, low-light situations: the Duovid is always ready.

The eyecups are designed on ergonomic principles and feature two click-stop settings, allowing maximum viewing comfort, even when wearing glasses.

### The benefits at a glance

- two magnification options in one pair of binoculars
- ADC® automatic diopter compensation
- excellent image quality in all viewing situations
- quick magnification adjustment using handy twist rings
- outstanding stray-light suppression
- rugged die-cast aluminum body and non-slip rubber armoring for a secure grip and protection against damage

DUOVID
8x42·12x42
Leica

### LEICA DUOVID 8 + 12 x 42

**The essential details**

- the handy, multi-talented binoculars – over short and long distances
- steady and stress-free viewing at 8 x magnification, superior details at 12 x magnification

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DUOVID
10x50·15x50
Leica

### LEICA DUOVID 10 + 15 x 50

**The essential details**

- ideal for day and night viewing at extreme distances
- offers a steady view with extreme depth of field at 10 x magnification, and tack-sharp details on the 15 x setting
- includes tripod adapter

# Technical data.

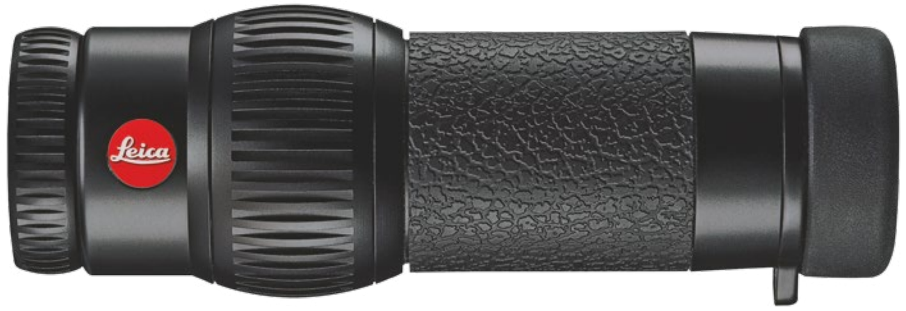
| Binoculars | Leica Duovid 8 + 12 x 42 | Leica Duovid 10 + 15 x 50 |
|---|---|---|
| Order no. | 40 400 | 40 420 |
| Package includes | contoured neoprene carrying strap, eyepiece caps, nappa leather case | tripod adapter, contoured neoprene carrying strap, eyepiece caps, nappa leather case |
| Magnification | 8 x / 12 x | 10 x / 15 x |
| Front lens diameter | 42 mm | 50 mm |
| Exit pupil | 5.25 mm / 3.5 mm | 5 mm / 3.3 mm |
| Twilight factor | 18.3 / 22.5 | 22.5 / 27.4 |
| Field of view at 1,000 yds / m | 351 ft / 268 ft<br>118 m / 90 m | 274 ft / 208 ft<br>92 m / 70 m |
| Eye relief | 14.5 mm | 14.5 mm |
| Objective angle of view | 6.7° / 5.1° | 5.3° / 4° |
| Close focus range | approx. 11.5 ft / 3.5 m | approx. 12.9 ft / 3.8 m |
| Diopter compensation | ± 3 dpt (automatic diopter compensation ADC®) | ± 3 dpt (automatic diopter compensation ADC®) |
| Eyepieces for eyeglass wearers | yes | yes |
| Eyecup with twist-and-pull action | yes, removable, with 2 click-stops | yes, removable, with 2 click-stops |
| Adjustable interpupillary distance | 55 – 74 mm | 59 – 74 mm |
| Focusing | internal focusing via central focusing device | internal focusing via central focusing device |
| Prism system | roof prism with phase-correcting coating P40 and HighLux-System HLS® | roof prism with phase-correcting coating P40 and HighLux-System HLS® |
| Coating | HDC® multicoating | HDC® multicoating |
| Waterproof | waterproof to 16.5 ft / 5 m | waterproof to 16.5 ft / 5 m |
| Body | aluminum, nitrogen-filled | aluminum, nitrogen-filled |
| Dimensions (W x H x D) | 4.7 x 6.2 x 2.6 in /<br>120 x 157 x 67 mm | 5 x 7.7 x 2.6 in /<br>126 x 195 x 67 mm |
| Weight | approx. 37 oz / 1,045 g | approx. 44 oz / 1,250 g |
| Accessories (for order no. refer to pages 128 – 129) | tripod adapter,<br>floating carrying strap | floating carrying strap |

The snow-capped peaks of the Gredos mountains seem enormous An imposing backdrop, which makes the hunters stop and marvel with every step. The unrivaled majesty of nature, powerful and vast.

# Monovid 8 x 20 Blackline.
## Elegant design, outstanding optical performance.

The Monovid 8 x 20 Blackline with 8 x magnification fits in your jacket, shirt, or pants pocket. It is light, robust, and brilliantly easy to use, making it the perfect take-anywhere companion. Naturally, it is also a choice among all who appreciate elegantly designed, high-quality optics.

Thanks to its accessory close-up lens, you can view objects at distances as close as 10 – 12 in / 25 – 30 m. Simply screwing this accessory to the front lens produces a macro effect that lets you identify even the finest structures. When not in use, the lens can be safely stored in the leather case provided.



LEICA MONOVID 8 x 20 BLACKLINE

### The benefits at a glance

- brilliant, high-contrast and sharp images
- versatile, convenient, and rugged
- weighs just 4 oz / 112 g
- nitrogen filling prevents fogging
- water and dirt repellent AquaDura® lens coating
- waterproof to 16.5 ft / 5 m
- close-up lens enables macro effect
- all-round protection, thanks to a practical leather pop-up case with silent magnetic catch

# Technical data.

| Monocular | Leica Monovid 8 x 20 Blackline |
|---|---|
| Order no. | 40 390 |
| Package includes | close focus lens for close-up viewing, wrist strap, eyepiece cover, carrying bag with belt loop |
| Magnification | 8 x |
| Front lens diameter | 20 mm |
| Exit pupil | 2.5 mm |
| Twilight factor | 12.7 |
| Field of view at 1,000 yds/m | 341 ft / 110 m |
| Eye relief | 15 mm |
| Objective angle of view | 6.3 ° |
| Close focus range | approx. 6 ft / 1.8 m |
| with close-up lens | 10 – 12 in/25 – 30 cm |
| Eyepieces for eyeglass wearers | yes |
| Extendable eyecups | yes |
| Focusing | internal focusing via central focusing device |
| Coating | HDC® multicoating and AquaDura® coating on outer lens surfaces |
| Prism system | roof prism |
| Waterproof | waterproof to 16.5 ft/5 m |
| Body | aluminum, nitrogen-filled |
| Thread of close focus lens | M25 x 0.75 |
| Length | 3.8 in/97.9 mm |
| Length incl. close-up lens | 4 in / 105 mm |
| External diameter | 1.4 in/35.5 mm (at focusing barrel) |
| Weight | 4 oz / 112 g Monovid, 0.5 oz / 14 g close-up lens |
| Accessories<br>Order no. | Monovid neck strap<br>(42 330) |

With a trained eye and highly accurate instruments, the cliffs and mountains reveal their secrets. With the naked eye alone, the ibex could not be seen, due to the perfect camouflage of its fur.

Leica
MAKulok - Sempolo
MAGNUS
1.5–10x42
2
3
4
5

# In early 1950 …

… the first Leica riflescopes entered the world stage. They immediately stood out from the competition, boasting a unique Leica feature: true internal focusing.

Then, in 2009, Leica wrote the next chapter in riflescope history, launching the innovative ER series. Boasting state-of-the-art optics and made in Germany by Leica, they offer a full 4 in / 10 cm eye relief – the longest in their class. Two years later, the Magnus premium line was introduced – and proved exceptionally popular. Three illuminated models that shine under the most challenging conditions, and thus ensure reliable aim, complete the top end of the product range.

In 2013, the ER riflescopes line underwent a complete re-engineering. The ER i now offer twilight-suitable lighting with an intelligent automatic power-off function, track mounting, and, for the first time, a 50 mm model. Additionally, the innovative Bullet Drop Compensator (BDC) is compatible with all Leica riflescopes.

# The rapid reticle adjustment (BDC).

## Maximum precision and effectiveness for long shots.

Thanks to the patented rapid reticle adjustment (BDC) for Leica riflescopes, the holdover values for long shots – and shots over widely varying distances – are now even more simple, and unparalleled in terms of precision.

Estimating holdovers requires a lot of experience and is inexact at best. That's why BDC is the ideal solution for enabling simple, precice targeting while compensating for elevation corrections over long distances. With BDC, adjusting the reticle to various ranges is refreshingly simple: because the target point is shifted precisely to correspond to the bullet drop, all you need is your usual, centered aim. BDC also ensures reliable high performance in all weather conditions. The scale corresponds to the metric standard of 1 click = 1 cm at 100 m, which experienced long range shooters will know as .1 MIL or 1/10 milliradian.

Setting Leica's new BDC is simple and intuitive. An innovative, patented locking mechanism prevents unintentional adjustments, providing a high degree of security. The online ballistics calculator available on the Leica Camera AG website allows you to easily and accurately determine the adjustment values required for different loads and distances.

With a "direct dial ring", Leica's BDC works even more quickly and intuitively. Simply replace the standard engraved ring with a ring featuring range information, and start selecting the precise shooting distance. With 12 different rings to choose from, you can pick the best-fit one for your caliber and load.

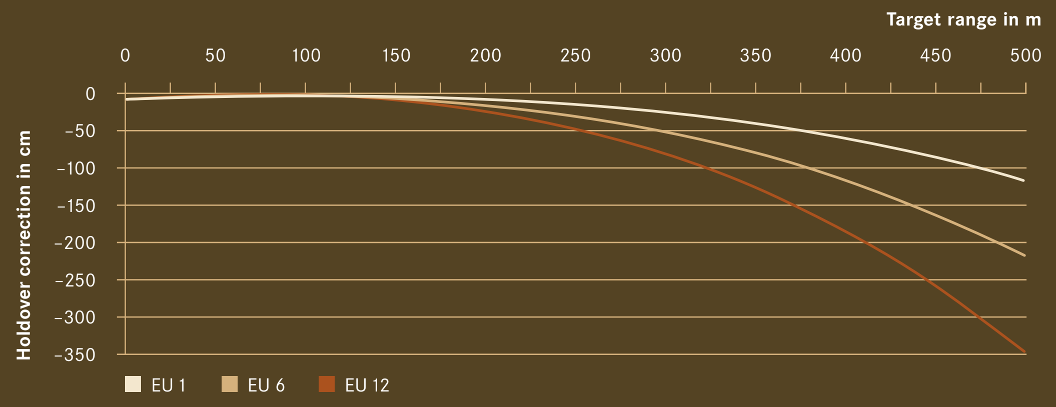
**LEICA BDC**
Direct Dial Ring EU 1

**LEICA BDC**
Direct Dial Ring EU 6

**LEICA BDC**
Direct Dial Ring EU 12

MAGNUS
2.4–16x56

LEICA MAGNUS 2.4 – 16 x 56 mit LEICA BDC

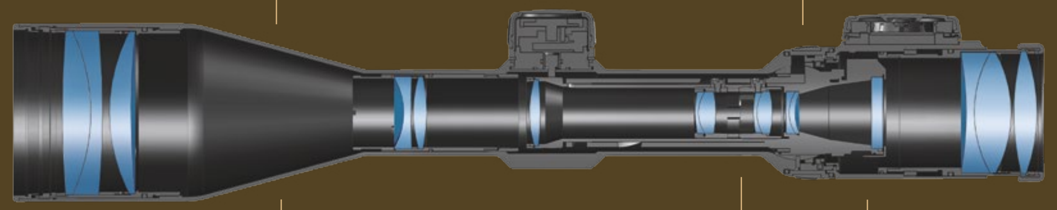


**A guide to swapping direct dial rings for BDC is available online at www.riflescopes.leica-camera.com**

# Magnus riflescopes.
# The ultimate in hunting excellence.

With the new illuminated riflescopes of the Magnus series, nothing remains hidden. All three models feature an extremely crisp illuminated reticle dot with precisely adjustable brightness. 60-step day/night mode ensures perfect light intensity. The excellent transmission and extraordinary contrast of the Magnus optics let you take aim with confidence, even in the most challenging light conditions.

A very wide field of view ensures you have the ideal overview, while the 6.7x zoom means you enjoy maximum flexibility. Every control element is large, ergonomic and intuitive, so you can adjust the Magnus even while wearing gloves or in complete darkness. Its intelligent on/off technology helps extend battery life. The greater distance between the exit pupil and eyepiece ensures eye relief and improved safety, especially when using a high-caliber rifle. And both the eyepiece and front lens feature the AquaDura® coating, so water and dirt simply roll off.



**Automatic power-off:**
intelligent technology
helps extend battery life

**Day/night mode:**
60 steps ensure optimum
light intensity

**Excellent transmission:**
clear image well into the
twilight hours

**Illuminated dot:**
adjustable, crisp, brilliant,
minimum target masking

**Zoom up to 6.7x:**
for precise shots from a distance

**Outstanding field of view:**
for the ideal overview

**Exit pupil:**
greater distance to the eyepiece
ensures more safety, especially
with larger caliber

LEICA MAGNUS 2.4 – 16 x 56

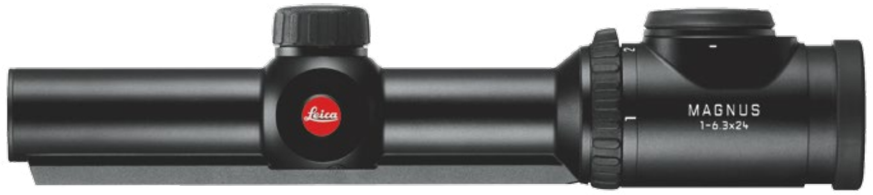
# Magnus 1 – 6.3 x 24.
## Utterly reliable, exceptionally flexible.

This high-end riflescope is a masterpiece in every respect. The enormously practical field of view of the 1 – 6.3 x 24 offers a maximized view of the target and its surroundings and maximum safety in every situation. This guarantees fast target identification and absolute accuracy, particularly when hunting running game.

This riflescope boasts a zoom factor of 1 to 6.3 – one of the largest on the market – and an intelligent on / off feature that is specially designed for the demands of the driven hunt. These attributes, combined with its remarkably compact construction, make the Magnus 1 – 6.3 x 24 an exceptionally reliable and flexible companion.

MAGNUS
1-6.3x24

LEICA MAGNUS 1 – 6.3 x 24 without track



LEICA MAGNUS 1 – 6.3 x 24 with track

### The benefits at a glance

- panoramic field of view
- 6.3 x zoom
- excellent ergonomics and handling – even with gloves
- bright, high-contrast red dot
- excellent transmission and extraordinary contrast for confident targeting
- selectable day / night illumination with 60-step setting range
- available with or without Leica’s rapid reticle adjustment (BDC)

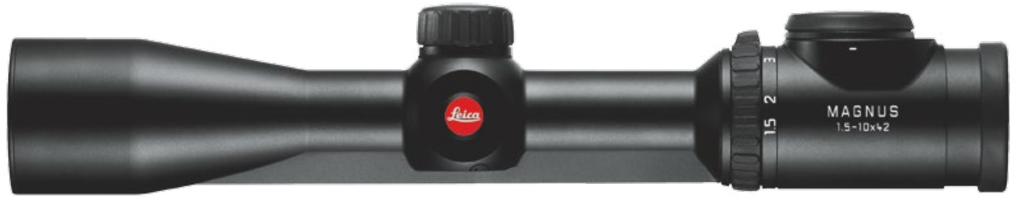
# Magnus 1.5 – 10 x 42.
## Versatile and compact.

Thanks to an almost 7x zoom, the Magnus 1.5 – 10 x 42 offers the versatility to meet every field sportsman's needs. This riflescope is the universal all-rounder for stalking, shooting from blinds, or on driven hunts, close in or at long distances, and guarantees maximum versatility and superior accuracy in every situation.

The precise reticle dot and the finely calibrated adjustable brightness ensure that you can focus clearly on your target, at a comfortable light level.

MAGNUS
1.5-10x42
1.5
2
3

LEICA MAGNUS 1.5 – 10 x 42 without track



LEICA MAGNUS 1.5 – 10 x 42 with track

### The benefits at a glance

- zoom up to 6.7 x
- panoramic field of view
- excellent ergonomics and handling – even with gloves
- bright, high-contrast, fine red dot
- excellent transmission and extraordinary contrast for confident targeting
- automatic power-off when not in shooting position
- available with or without Leica's rapid reticle adjustment (BDC)

# Magnus 2.4 – 16 x 56.
## Bright and powerful.

The more you see, the more accurate your shot will be. In contrast to other riflescopes, the particularly low vignetting of the Magnus 2.4 – 16 x 56 ensures superior brightness at low magnification factors. The large lens diameter, the effective entry pupil at midrange magnifications, and the highest light transmission of nearly 91% ensure optimum performance from dawn to dusk.

Thanks to its 16 x maximum zoom, the Magnus 2.4 – 16 x 56 is also ideal for shots over long distances.

Leica
2 4
3
4
5
MAGNUS
2.4-16x56

LEICA MAGNUS 2.4 – 16 x 56 without track

Leica
2 4
3
4
5
MAGNUS
2.4-16x56

LEICA MAGNUS 2.4 – 16 x 56 with track

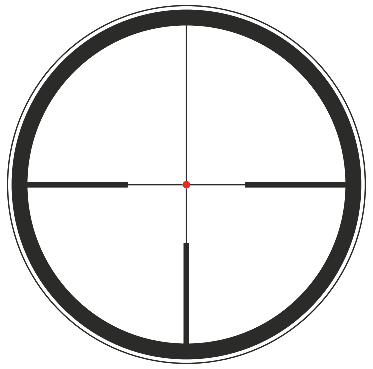
### The benefits at a glance

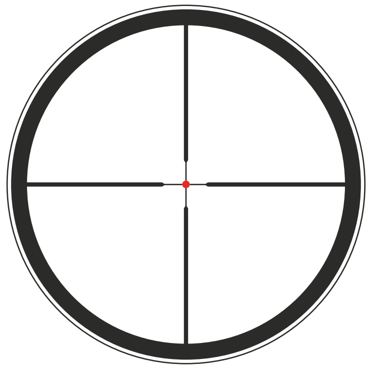
- greater light yield than other premium riflescopes at low magnification factors
- excellent transmission and extraordinary contrast for confident targeting
- selectable day/night illumination with 60-step setting range
- bright, high-contrast, fine red dot
- panoramic field of view
- zoom up to 6.7 x
- available with or without Leica’s rapid reticle adjustment (BDC)

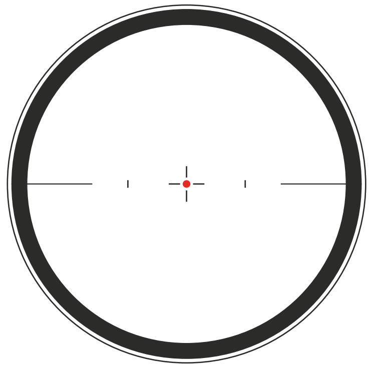
# Magnus reticles.
# Crisp and brillant.

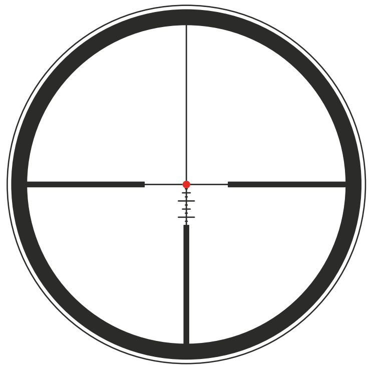
Thanks to Leica's innovative projection technology, the illuminated dot in all Magnus reticles is extremely sharp and brilliant – free of any distracting excess illumination. Superfluous light from the objective lens is also effectively suppressed. The sensitive brightness control lets you choose how dim or bright you wish the illumination to be. So you always have an overview – all the important details at a glance, even in adverse conditions.

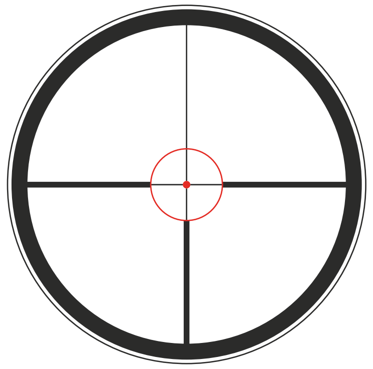
All Leica reticle designs have been developed and tested by field sportsmen, and all are located in the second focal plane.


LEICA RETICLE 4a


LEICA PLEX RETICLE


LEICA RETICLE L-3D


LEICA BALLISTIC RETICLE


LEICA CD i RETICLE

**Leica reticle 4a (24/42/56)**
**Crosshair thickness:** 0.2 in/0.5 cm
**Distance between horizontal posts:** 55 in/140 cm
**Application:** universal reticle for precision shooting

**Leica Plex reticle (24/42/56)**
**Crosshair thickness:** 0.2 in/0.5 cm
**Distance between horizontal posts:** 19.7 in/50 cm
**Application:** universal reticle for stalking and competitive target shooting

**Leica reticle L-3D (24/42)**
**Crosshair thickness:** 0.3 in/0.8 cm
**Distance between horizontal posts:** 113 in/290 cm
**Application:** specialized for shots "on the fly" at moving targets. The fine horizon line ensures the weapon is always correctly oriented, while the center of the field of sight remains clear, delivering maximum overview and a fast, intuitive direction of the shooter's sights to the target

**Leica Ballistic reticle (42/56)**
**Crosshair thickness:** 0.2 in/0.5 cm
**Distance between vertical guidelines:** 1.9 in/5 cm
**Application:** for precise shots at long distances. Line/dot markings enable sighting on the target with the necessary ballistic trajectory correction without needing to change the reticle adjustment – as long as the distance to the target and the ballistic characteristics of the ammunition used are known

**Leica CD i reticle (24/42)**
**Crosshair thickness:** 0.3 in/0.8 cm
**Dot diameter:** 0.9 in/2.4 cm
**Ring thickness:** 0.8 in/2 cm
**Application:** a state-of-the-art reticle for driven hunts, with dot/ring markings (both illuminated) for fast, confident targeting. Promotes intuitive shooting – particularly when hunting running game

All data refers to 328 ft/100 m and 10 x magnification.

# Technical data.

| Riflescope | Leica Magnus 1 – 6.3 x 24 | Leica Magnus 1.5 – 10 x 42 | Leica Magnus 2.4 – 16 x 56 |
|---|---|---|---|
| Package includes | riflescope caps for front lens/ eyepiece, cleaning tissue | riflescope caps for front lens/ eyepiece, cleaning tissue | riflescope caps for front lens/ eyepiece, cleaning tissue |
| Front lens diameter | 24 mm | 42 mm | 56 mm |
| Magnification | 1–6.3 x | 1.5 – 10 x | 2.4 – 16 x |
| Zoom | 6.3 x | 6.7 x | 6.7 x |
| Field of view at max. magnification (m/ 100 m) | 7.1 yds/6.5 m | 4.4 yds/4.1 m | 2.8 yds/2.6 m |
| Field of view at min. magnification (m/ 100 m) | 47.2 yds/43.2 m | 28.4 yds/26 m | 28.4 yds/17 m |
| Eye relief | >3.5 in/90 mm | >3.5 in/90 mm | >3.5 in/90 mm |
| Exit pupil | 3.8 – 12.4 mm | 4.2 – 12.4 mm | 3.5 – 12.4 mm |
| Parallax | 100 m | 100 m | adjustable, 50 m to infinity |
| Dioptre compensation | –4/+3 dpt | –4/+3 dpt | –4/+3 dpt |
| Coating | AquaDura® lens coating | AquaDura® lens coating | AquaDura® lens coating |
| Transmission | approx. 91% | approx. 91% | approx. 91% |
| Mounting option | 30 mm tube/ Zeiss internal track | 30 mm tube/ Zeiss internal track | 30 mm tube/ Zeiss internal track |
| Impact point correction | 1 click = 1 cm/ 100 m (≈ ⅓ MOA), 200 x 140 cm | 1 click = 1 cm/ 100 m (≈ ⅓ MOA), 150 x 140 cm | 1 click = 1 cm/ 100 m (≈ ⅓ MOA), 150 x 140 cm |
| Front lens filter thread | – | M 46 x 0.75 | M 58 x 0.75 |
| Length | 107 in/272 mm | 124.8 in/317 mm | 141.7 in/360 mm |
| Weight | without track: 19.2 oz/544 g | without track: 21.9 oz/620 g | without track: 27.7 oz/785 g |
|  | with track: 20.2 oz/570 g | with track: 22.9 oz/650 g | with track: 28.7 oz/815 g |
| Waterproof | waterproof to 13.1 ft/4 m / nitrogen-filled | waterproof to 13.1 ft/4 m / nitrogen-filled | waterproof to 13.1 ft/4 m / nitrogen-filled |
| Available reticles | 4a, Plex, L-3D, CD i | 4a, Plex, L-3D, Ballistic, CD i | 4a, Plex, Ballistic |
| Reticle illumination/type | yes/dot | yes/dot | yes/dot |
| Automatic switch-off | 3 min, ± 75° | 3 min, ± 75° | 3 min, ± 75° |
| Automatic switch-on | yes, activated by position and/or movement | yes, activated by position and/or movement | yes, activated by position and/or movement |

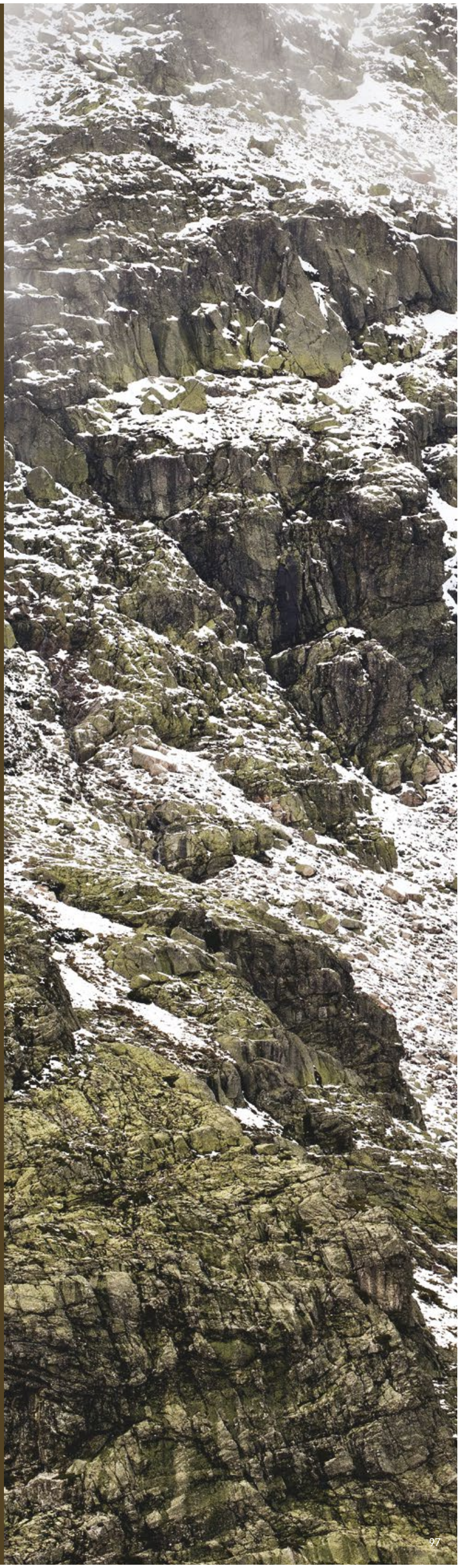
**Holdover correction**

| Direct Dial Rings | EU 1 | EU 2 | EU 3 | EU 4 | EU 5 | EU 6 | EU 7 | EU 8 | EU 9 | EU 10 | EU 11 | EU 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100 m | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 200 m | -4.7 | -6.1 | -8.1 | -9.7 | -11.0 | -12.9 | -14.5 | -15.9 | -17.0 | -18.9 | -20.1 | -21.7 |
| 300 m | -22.2 | -27.3 | -32.4 | -37.5 | -42.6 | -47.7 | -52.8 | -57.9 | -63.0 | -68.1 | -73.2 | -78.3 |
| 400 m | -56.7 | -69.5 | -77.2 | -86.5 | -102.8 | -113.0 | -123.2 | -133.8 | -144.5 | -152.6 | -166.4 | -181.3 |

**All information on the Direct Dial Rings can be found online at www.riflescopes.leica-camera.com**

| Riflescope | Leica Magnus 1 – 6.3 x 24 | Leica Magnus 1.5 – 10 x 42 | Leica Magnus 2.4 – 16 x 56 |
|---|---|---|---|
| Order no. Reticle |  |  |  |
| 4a | 52 020 | 53 030 | 54 030 |
| 4a with track | 52 021 | 53 031 | 54 031 |
| 4a with BDC | 52022 | 53 032 | 54 032 |
| 4a with BDC and track | 52023 | 53 033 | 54 033 |
| Plex | 52 000 | 53 000 | 54 000 |
| Plex with track | 52 001 | 53 001 | 54 001 |
| Plex with BDC | 52002 | 53 002 | 54 002 |
| Plex with BDC and track | 52003 | 53 003 | 54 003 |
| L-3D | 52 010 | 53 020 | – |
| L-3D with track | 52 011 | 53 021 | – |
| L-3D with BDC | 52012 | 53 022 | – |
| L-3D with BDC and track | 52013 | 53 023 | – |
| Ballistic | – | 53 010 | 54 010 |
| Ballistic with track | – | 53 011 | 54 011 |
| Ballistic with BDC | – | 53 012 | 54 012 |
| Ballistic with BDC and track | – | 53 013 | 54 013 |
| CDi | 52 040 | 53 040 | – |
| CDi with track | 52 041 | 53 041 | – |
| CDi with BDC | – | – | – |
| CDi with BDC and track | – | – | – |

**All coverage dimensions for Leica Magnus reticles can be found at www.leica-sportoptics.com/magnus-reticles**



# ER i riflescopes.
# Always effective.

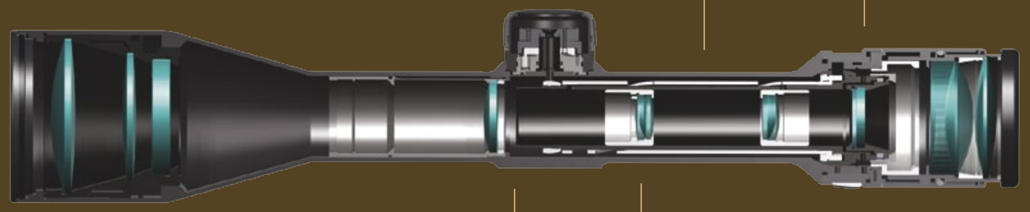
Taking the demands of field sportsmen to heart, we have developed the proven ER riflescopes further by enhancing the series with additional features. With the update comes a new name: ER i. The "i" stands for "illuminated", referring to the integrated illuminated dot that makes low light hunts safer and more instinctive and effective.

ER i riflescopes also feature "automatic power-off". Intelligent sensors detect acceleration and position, switching off the illuminated dot when your rifle is not in use. This considerably increases battery service life. Manual activating is smooth and silent, too, thanks to a rubber-armoured dial.

Whenever the weather presents challenges, ER i rises to meet them – ensuring brilliant color fidelity and perfect contrast at all times. AquaDura® coating on the outer lenses repels dirt and water, while nitrogen purging reliably prevents internal fogging. The large effective objective lens with its excellent light transmission makes the riflescope an outstanding instrument for low-light conditions, extending your hunt well into dusk. The ER i line also features the longest eye relief in its class: approx. 4 in / 10 cm. This provides additional safety – particularly with magnum rifles.

The short eyepiece and the long center tube also offer plenty of freedom for proper mounting – even on long-action rifles. The rugged construction and sleek design do their part to make these riflescopes truly extraordinary companions in the field.

You can select from three different reticles for your ER i riflescope. The new rapid reticle adjustment (BDC) is also available – for precice shots, even especially over long or varying distances. Both models, the 3 – 12 x 50 and the 2.5 – 10 x 42, are also available as rail-mount versions.



**Long center tube:** for flexible mounting – also for magnum-length actions

**Illuminated dot:** ideal for confident shooting in low light

**Automatic power-off:** intelligent technology helps extend battery life

**Optics design:** low vignetting, maximum resolution and outstanding contrast

**Construction:** proven mechanical concept has been enhanced further

LEICA ER i 3 – 12 x 50

# ERi 2.5 – 10 x 42.
## Dependable and universal.

Whether for shooting from blinds or for stalking, this ERi model is an outstanding all-rounder, ready for anything – and for the long haul. Carefully designed down to the last detail, it will remain an absolutely reliable partner, even after years of use under extreme conditions. Quality and performance, perfectly combined on every level. The clear, precisely adjustable illuminated dot and the intelligent “automatic power-off” function add an exceptional level of safety and convenience.

There’s no better companion, particularly on longer trips or hunts. The riflescope is sleek and extremely well-balanced when mounted. And thanks to its proven, robust construction, it’s an extremely hard-wearing all-purpose scope.

ERi
2.5-10x42
2.5 3 4

LEICA ERi 2.5 – 10 x 42

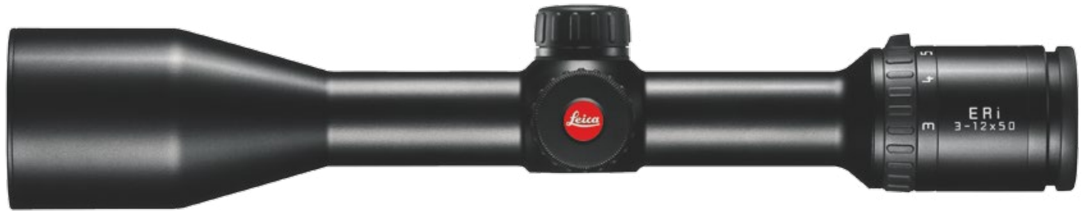
### The benefits at a glance

- suitable for shooting from blinds and stalking, as well as some driven hunts
- eliminate the word bright, leaving crisp illuminated reticle dot and intelligent “automatic power-off”
- robust, proven construction for highest reliability and durability
- latest generation optics ensure maximum resolution and outstanding contrast
- easy and intuitive use – even in cold weather or complete darkness
- elegant, streamlined design, particularly well-balanced on the rifle
- long center tube enables flexible mounting and optimum eye relief
- available with optional rapid reticle adjustment (BDC)

# ERi 3 – 12x50.
## Reliable and accurate.

The ERi 3 – 12x50 is a classic, all-purpose riflescope – impressive in every way. Its powerful light-gathering capacity and outstanding imaging performance are particularly prized at night, during twilight or in challenging light conditions. Additional usability is provided by the new, crisp illuminated dot as well as the “automatic power-off” function – this intelligent technology developed by Leica conveniently switches illumination off when not required, which also extends battery life.

The scope’s control elements are designed to ensure easy, intuitive operation you can rely on – even in unfavorable weather or when time is of the essence. And its magnification of up to 12x is ideal for an accurate shot, especially at greater distances.



LEICA ERi 3 – 12x50

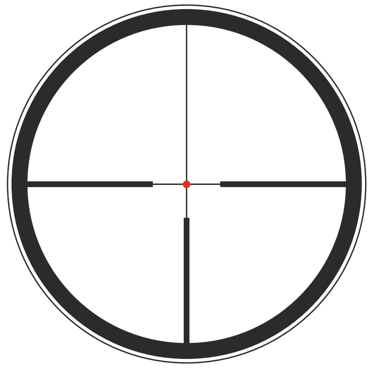
### The benefits at a glance

- classic, all-purpose riflescope
- crisp illuminated reticle dot with precisely adjustable brightness and intelligent “automatic power-off”
- robust, proven construction offers utmost reliability and durability
- cutting-edge optics guarantee maximum resolution and outstanding contrast, even at 12x zoom
- high maximum magnification for precise shots, at long distances
- long center tube enables flexible mounting and optimum eye relief
- water and dirt repellent AquaDura® coating on ocular and objective lenses
- available with patented, locking rapid reticle adjustment (BDC)

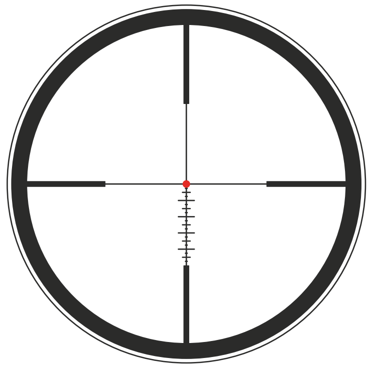
# ERi reticles and BDC.
## Precise and individual.

Whether for hunting or competitive target shooting, a shot on the fly, or precise and considered marksmanship, close or at long range – with Leica reticles, you can configure your riflescope to match any need. Our reticles are all designed to accommodate the needs of a wide range of shooting situations. All reticles are located in the second focal plane.

All reticles in the ERi series can be ordered with the optional rapid reticle adjustment (BDC).



LEICA RETICLE 4a



LEICA BALLISTIC RETICLE

— **Leica reticle 4a**
**Crosshair thickness:** 0.2 in/0.6 cm
**Distance between horizontal posts:** 55 in/140 cm
**Application:** universal reticle for precision shooting.

— **Leica Ballistic reticle**
**Crosshair thickness:** 0.15 in/0.4 cm
**Distance between vertical guidelines:** 1.9 in/5 cm
**Application:** for precise shots at long distances. Classic hash mark/dot design allows quick and precise ballistic adjustment without use of turrets when matched to specific known ballistic information.

All data refers to 328 ft/100 m and 10 x magnification.

# Technical data.

| Riflescope | Leica ERi 2.5 – 10 x 42 | Leica ERi 3 – 12 x 50 |
|---|---|---|
| Package includes | riflescope caps for front lens and eyepiece, cleaning tissue | riflescope caps for front lens and eyepiece, cleaning tissue |
| Front lens diameter | 42 mm | 50 mm |
| Magnification | 2.5 – 10 x | 3 – 12 x |
| Zoom | 4 x | 4 x |
| Field of view at max. magnification (m / 100 m) | 12.8 ft / 3.9 m | 3.2 m |
| Field of view at min. magnification (m / 100 m) | 45.9 ft / 14.5 m | 36 ft / 11.5 m |
| Eye relief | 3.9 in / 100 mm | 3.9 in / 100 mm |
| Exit pupil | 0.16–0.59 in / 4.1 – 14.9 mm | 0.16–0.59 in / 4.1 – 14.9 mm |
| Parallax | 328 ft / 100 m | 328 ft / 100 m |
| Dioptre compensation | –4 / +3 dpt | –4 / +3 dpt |
| Coating | AquaDura® lens coating | AquaDura® lens coating |
| Transmission | TD / TN ≥ 90 % | TD / TN ≥ 90 % |
| Mounting option | 30 mm tube/Zeiss internal track | 30 mm tube/Zeiss internal track |
| Central tube diameter | 30 mm | 30 mm |
| Impact point correction | 1 click = 1 cm / 100 m (≈ ⅓ MOA), 180 x 180 cm | 1 click = 1 cm / 100 m (≈ ⅓ MOA), 120 x 120 cm |
| Front lens filter thread | M 46 x 0.75 mm | – |
| Length | 12.76 in / 324 mm | 13.4 in / 340 mm |
| Weight | without track: 16.9 oz / 480 g | without track: 21.9 oz / 620 g |
| | with track: 18.3 oz / 520 g | with track: 23.3 oz / 660 g |
| Waterproof | waterproof to 13.1 ft / 4 m / nitrogen-filled | waterproof to 13.1 ft / 4 m / nitrogen-filled |
| Available reticles | 4a, Ballistic | 4a, Ballistic |
| Reticle illumination | yes, dot, suitable for twilight use | yes, dot, suitable for twilight use |
| Automatic switch-off | 3 min, ± 70° | 3 min, ± 70° |
| Automatic switch-on | yes, activated by position and / or movement | yes, activated by position and / or movement |
| Battery | 1 x CR 2032 | 1 x CR 2032 |
| Accessories (for order no. refer to pages 128 – 129) | sunshade | sunshade |

| | | |
|---|---|---|
| Order no.<br>Reticle | | |
| 4a | 55 020 | 56 020 |
| 4a with track | 55 021 | 56 021 |
| 4a with BDC | 55 022 | 56 022 |
| 4a with BDC and track | 55 023 | 56 023 |
| Ballistic | 55 010 | 56 010 |
| Ballistic with track | 55 011 | 56 011 |

**All coverage dimensions for Leica ERi reticles can be found at www.leica-sportoptics.com/eri-reticles, for further information on the Direct Dial Rings turn to page 96 or visit www.riflescopes.leica-camera.com**

Returning to the valley. Every trace of tension is gone. The men are relaxed and content. Now is the time to reflect on the day's events. To relive the thrill of the hunt. In his mind's eye, each hunter replays the moment of the successful shot. Another unforgettable hunt comes to an end.

APO-TELEVID 82

# More than 100 years ago ...

... Leica began producing its first spotting scopes, winning accolades for brilliant optics, precision mechanics, and high-quality craftsmanship from the very start. And Leica's cameras have been setting standards in perfection for nearly just as long.

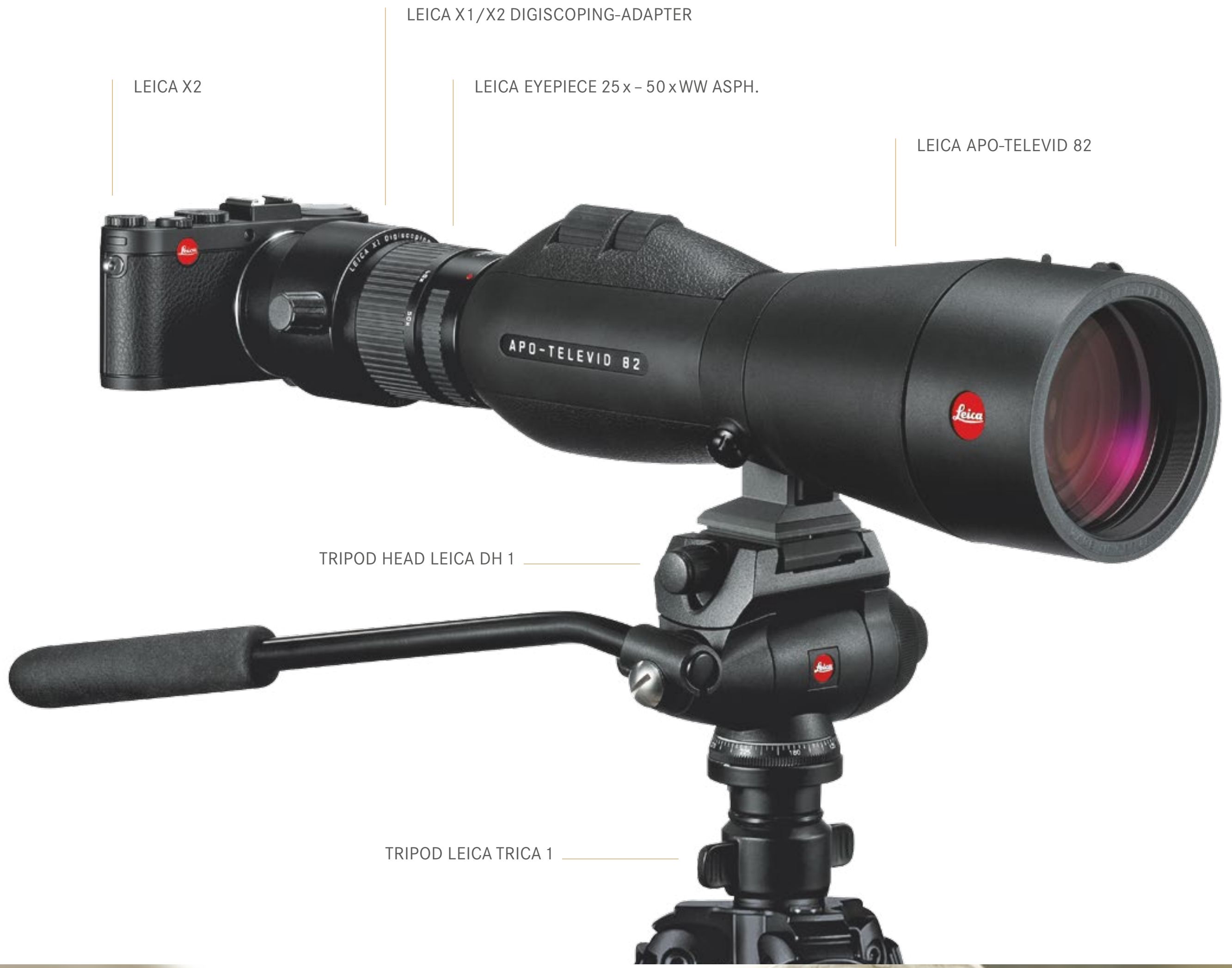
Since the late 1990s, when the first experiments in digiscoping began, Leica has been developing and improving specialized products for this fascinating area. Today, Leica is the only premium manufacturer in Europe offering the entire range of digiscoping equipment – perfectly matched, high-quality components that produce images of unmatched quality. For remarkable insights and breathtaking moments.

# Our digiscoping kit.
# Unique and professional.

Have you ever wished you could make time stand still for that one magic moment? Now, thanks to the comprehensive Leica digiscoping system, you can capture the magic of nature and bring it home with you to enjoy in spectacular detail.

And better still: your digiscoping set is ready to capture this moment with a single click. Digiscoping has become an important tool, not only for photographing fascinating moments but also for precise identification or documentation. In order to reveal every minute detail, you need high-quality equipment.

As animals seldom stay in one place for long periods of time, there is rarely enough time to compose a shot. So it's all the more important that the spotting scope, digital camera, adapter, tripod and tripod head can be mounted swiftly and that all components fit together perfectly and quickly.


LEICA X1 / X2 DIGISCOPING-ADAPTER
LEICA X2
LEICA EYEPIECE 25 x – 50 x WW ASPH.
LEICA APO-TELEVID 82
APO-TELEVID 82
TRIPOD HEAD LEICA DH 1
TRIPOD LEICA TRICA 1

## The benefits at a glance

- Leica is the world's only premium manufacturer to provide a complete professional system from one single brand
- all components are perfectly matched
- intuitive handling
- outstanding imaging results
- optical brilliance, excellent color fidelity, maximum contrast

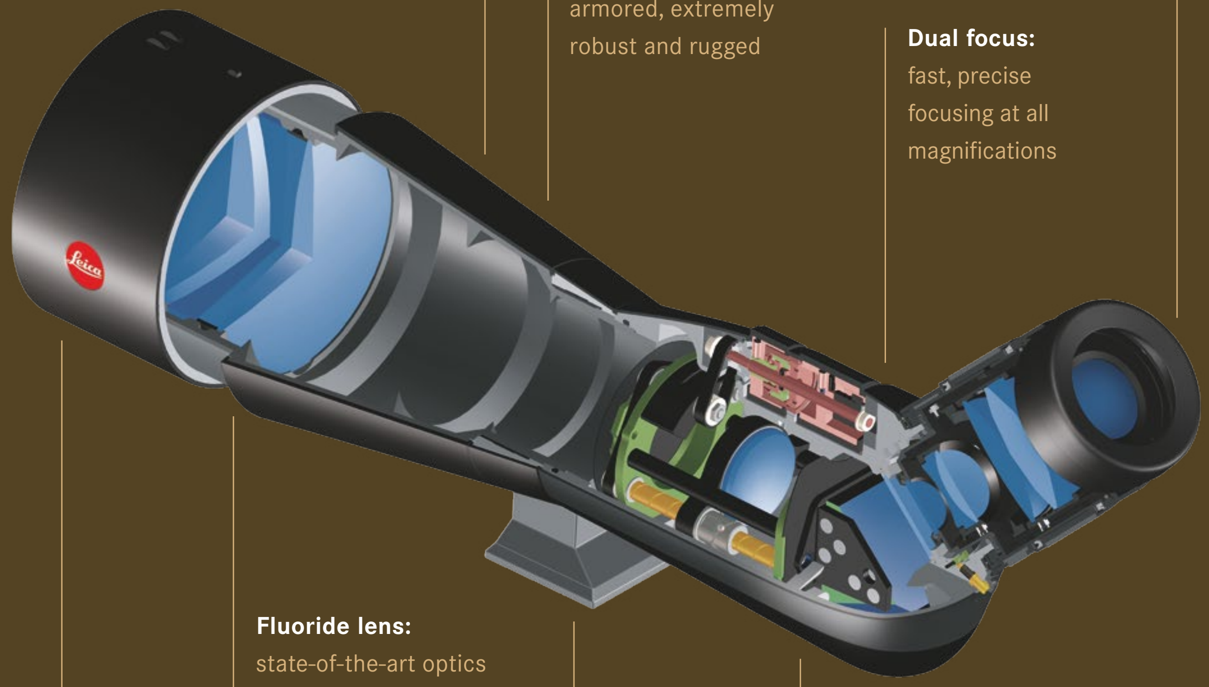
# APO-Televid spotting scopes.
# Bright and brilliant.

Both the APO-Televid 65 and the APO-Televid 82 spotting scopes deliver superlative performance. Each model is particularly compact and offers outstanding close-focus distance. They are robustly engineered and also offer logical and intuitive handling, attractive design and impressive optical systems.

The spotting scopes are made with an innovative fluoride-lens system that guarantees perfect color fidelity, impressive sharpness and maximum contrast. The matched 25 x – 50 x WW ASPH. wide-angle eyepiece combines all the versatility of a zoom lens with an amazingly wide field of view, formerly only available in fixed power eyepieces.

The proven Leica dual-focus system features two different focusing ratios that allow fast and precise focusing at all magnification factors. The front section of the focusing wheel is for fine focusing of the most minute of details, while the rear section is for general focusing on your target. The mechanism is ideal for intensifying your experience of viewing from long distances or with unmatched close focus to view smaller, near subjects in unbelievable detail.

The rubber-armored magnesium housing makes both spotting scopes extremely rugged – wherever you are and whatever the weather conditions may be. Their dirt and water repellent AquaDura® lens coating ensures a clear view at all times, while their nitrogen filling reliably prevents internal fogging.



**Nitrogen filling:**
reliable protection
from internal fogging

**Extreme wide-angle**
**25 x – 50 x WW ASPH. eyepiece:**
brilliant and vivid image from
edge to edge

**Magnesium housing:**
non-slip rubber
armored, extremely
robust and rugged

**Dual focus:**
fast, precise
focusing at all
magnifications

**Fluoride lens:**
state-of-the-art optics
for excellent color fidelity,
contrast and detail

**AquaDura® coating:**
water and dirt simply
pearl off

**Ergonomics:**
first-class ease of use,
attractive design, lightweight

LEICA APO-TELEVID 82 W

# APO-Televid 65.
## Practical und compact.

With its compact design, the APO-Televid 65 is perfectly suited for long, demanding trips. It combines ease of use with high-performance optics, making it a powerful tool for the demanding hunter who needs a lighter weight compact spotting scope.

Its overall length is just 11.9 in / 302 mm and it weighs only 39.6 oz / 1,123 g. On mountain hunts, you can carry the spotting scope comfortably in your backpack. Thanks to the integrated dual focus system on the top of the scope, focusing is silent and movement-free. The non-slip, full-rubber armoring of the high-strength magnesium housing effectively absorbs external impacts and does not reflect light.

The APO-Televid 65 features an innovative fluoride objective lens, ensuring outstanding color fidelity, crispness and contrast.

In combination with the other components of the Leica digiscoping kit, the APO-Televid delivers first-class images – from close range as well as from a great distance.

APO-TELEVID 65

LEICA APO-TELEVID 65

APO-TELEVID 65

LEICA APO-TELEVID 65 W

### The benefits at a glance

- the latest fluoride lenses for perfect color fidelity and maximum contrast
- available as straight or angled spotting scope designs
- extremely handy and compact
- shortest close-focus distance in its class (only 9.5 ft / 2.9 m)
- water and dirt repellent AquaDura® lens coating
- extremely rugged thanks to rubber-armored magnesium housing

# APO-Televid 82.
## Bright and high-contrast.

The APO-Televid 82 is the ultimate in professional spotting and digiscoping tools. Thanks to its extraordinary optical performance, it lets you experience the natural world with fascinating immediacy and in astounding detail. The quality lenses deliver a richly detailed view with natural, brilliant colors across the entire field of view.

The apochromatic optical system of the APO-Televid 82 includes modern fluoride glass to ensure perfect optical performance. The inner optical system is additionally protected by an optically neutral covering lens. The large front-lens diameter of 82 mm delivers a richly detailed view and its enormous light-gathering performance enables viewing even in the most difficult lighting conditions.

APO-TELEVID 82
Leica

LEICA APO-TELEVID 82

APO-TELEVID 82
Leica

LEICA APO-TELEVID 82 W

### The benefits at a glance

- state-of-the-art fluoride-lens optical system for perfect color fidelity and maximum contrast
- 82 mm lens diameter with excellent light-gathering performance for a brilliant view, even in difficult lighting conditions
- short close-focusing limit of 12.5 ft / 3.8 m
- water and dirt repellent AquaDura® coating
- rugged and silent in use, thanks to a rubber-armored magnesium body
- Leica dual-focus system for fast and precise focusing

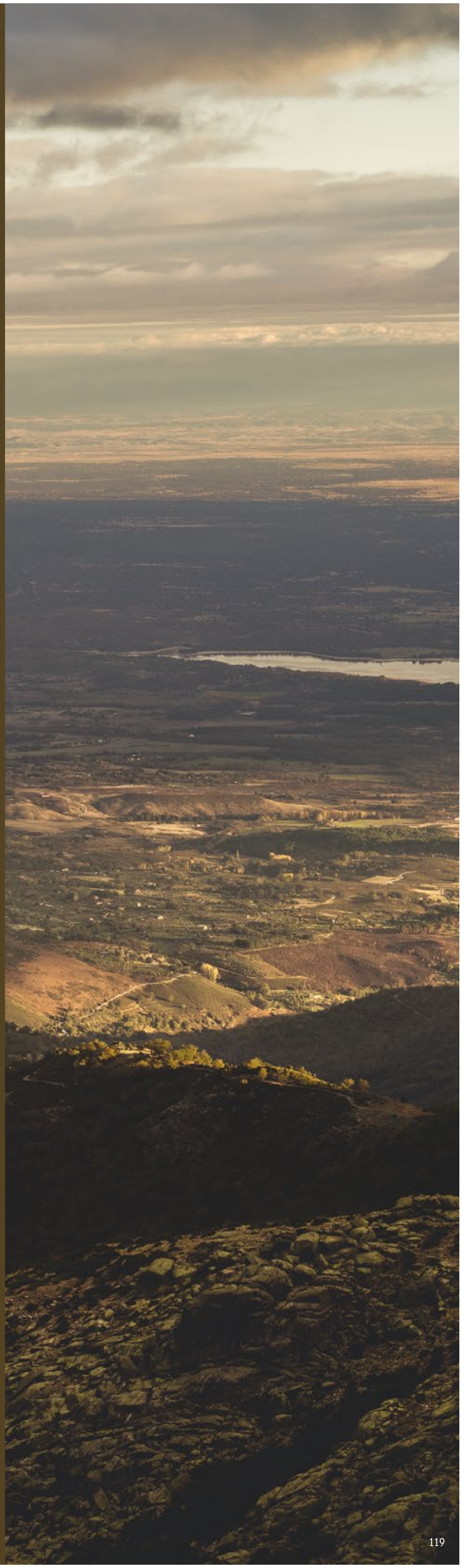
# Technical data.

| **Spotting scope** | **Leica APO-Televid 65** | **Leica APO-Televid 82** |
|---|---|---|
| Order no: | | |
| Straight viewing | 40 127 | 40 119 |
| Angled viewing (45°) | 40 129 | 40 121 |
| Package includes | lens and bayonet caps | lens and bayonet caps |
| Front lens diameter | 65 mm | 82 mm |
| Focal length | approx. 17.3 in/440 mm | approx. 17.3 in/440 mm |
| Close focus range | approx. 9.5 ft/2.9 m | approx. 12.5 ft/3.8 m |
| Exit pupil, twilight factor and field of view | please refer to eyepiece table | please refer to eyepiece table |
| Focusing | internal focusing with dual-focusing function | internal focusing with dual-focusing function |
| Coating | HDC® multicoating and AquaDura® lens coating | HDC® multicoating and AquaDura® lens coating |
| Prism system: | | |
| Straight viewing | Schmidt-Pechan prism system | Schmidt-Pechan prism system |
| Angled viewing (45°) | Schmidt prism | Schmidt prism |
| Waterproof | waterproof to 16.5 ft/5 m | waterproof to 16.5 ft/5 m |
| Body | magnesium, nitrogen-filled | magnesium, nitrogen-filled |
| Eyepiece attachment | quick-release bayonet | quick-release bayonet |
| Tripod mount | ¼ in, rotating, with locking screw | ¼ in, rotating, with locking screw |
| Lens shade | retractable, with sighting aid | retractable, with sighting aid |
| Front lens filter thread | E67 | E82 |
| Dimensions (W x H x D): | | |
| Straight viewing | 11.8 x 4.3 x 3.3 in/<br>288 x 108 x 83 mm | 12.3 x 4.3 x 4.0 in/<br>313 x 108 x 101 mm |
| Angled viewing (45°) | 11.9 x 4.3 x 3.3 in/<br>302 x 108 x 83 mm | 12.9 x 4.3 x 4.0 in/<br>328 x 108 x 101 mm |
| Weight (without eyepiece): | | |
| Straight viewing | 39.4 oz / 1,115 g | 53.7 oz / 1,520 g |
| Angled viewing (45°) | 39.6 oz / 1,123 g | 51.8 oz / 1,469 g |
| Accessories (for order no. refer to pages 128 – 129) | Ever-ready cases | Ever-ready cases |

| **Eyepiece** | **Leica 25 x – 50 x WW ASPH.** |
|---|---|
| Order no. | 41 021 |
| Package includes | eyepiece case, bayonet cap and eyepiece cap |
| Exit pupil: | |
| APO-Televid 65 | 2.6 mm (25 x) to 1.3 mm (50 x) |
| APO-Televid 82 | 3.3 mm (25 x) to 1.6 mm (50 x) |
| Field of view at 1,000 yds/m | 135 ft/41 m (25 x) to 92 ft/28 m (50 x) |
| Subjective angle of view | 57° (25 x) to 74° (50 x) |
| Focal length | 17.9 – 9 mm (17.9 ± 0.15 to 9 ± 0.1) |
| Max. external diameter | 2.3 in/59.5 mm |
| Overall length | 4.1 in/105 mm,<br>without bayonet 3.4 in/87 mm |
| Weight | 15.3 oz/435 g |

| **Tripod** | **Leica Trica 1** |
|---|---|
| Order no. | 42 223 |
| Package includes | Leica DH 1 tripod head |
| Description | carbon-fibre tripod |
| Max. tripod extension | 68.9 in / 175 cm |
| Max. extension with DH 1 | 73.0 in / 185.5 cm |
| Min. tripod height | 15.0 in/38 cm |
| Collapsed length | 27.6 in/70 cm |
| Weight | 4.6 lb/2.1 kg |

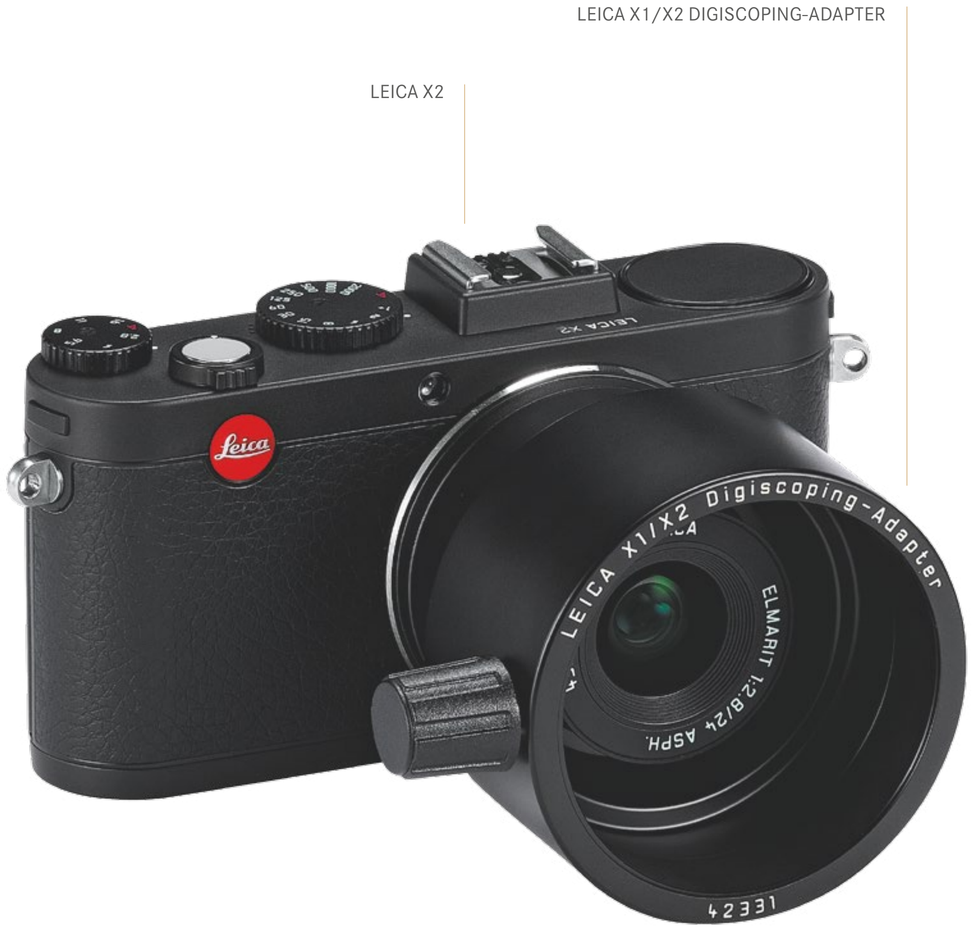
| **Tripod head** | **Leica DH 1** |
|---|---|
| Description | compact, lightweight, low-profile fluid head in Soulid 238, fluid damping, quick-change plate with ¼" screw mount |
| Panning range | 360° |
| Tilt range | ± 90° |
| Weight | 1.26 lb/570 g |
| Height | 3.3 in/8.5 cm |
| Maximum loading weight | 8.8 lb/4 kg |



# Cameras und adapters.
## Quality and lasting value.

Leica is the only premium manufacturer to offer a complete digiscoping system from one single source – with perfectly matched components and unrivalled quality. Just like our binoculars and spotting scopes, all Leica camera models are meticulously manufactured from only the finest materials to ensure absolute reliability and enduring value. In addition to their compact form, elegant design and intuitive handling, their optical and mechanical quality is without compromise.

This makes the Leica X2, with its respective Leica adapter, the perfect tool for everyone who appreciates the fascination of nature observation.

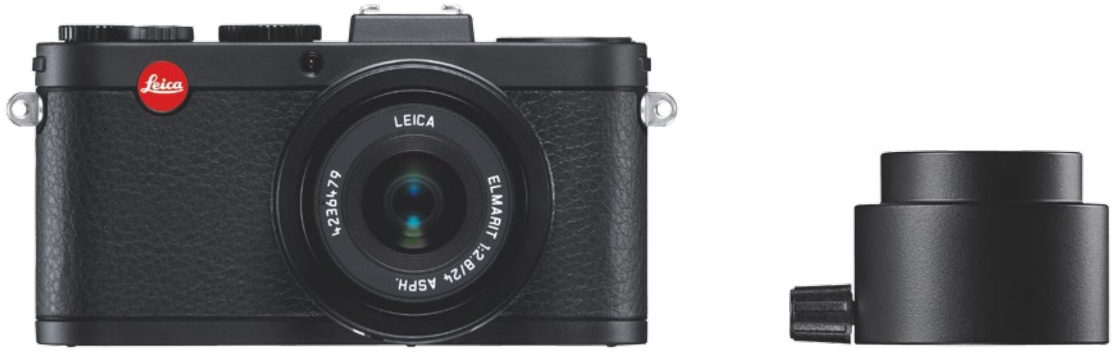


### Leica cameras

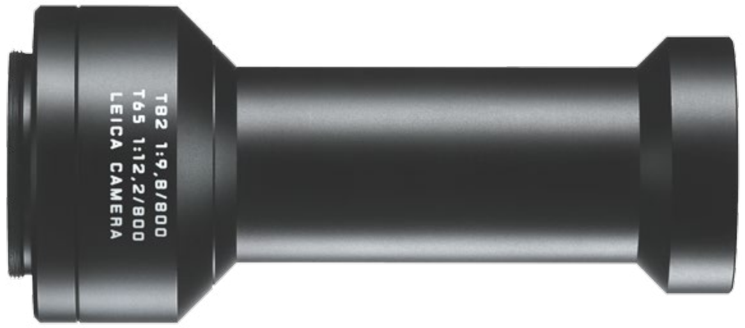
- fast lens
- manual setting options
- high performance and versatility
- handy and compact
- simple, intuitive handling
- rugged and sturdy construction
- large, high-resolution monitor screen
- elegant design

### Leica digiscoping adapters

- precisely engineered to connect scope and camera
- small and light
- secure, precise connection
- extremely easy to use



LEICA X2 with X1/X2 DIGISCOPING-ADAPTER



LEICA PHOTO-ADAPTER

## Leica X2 with Leica X1/X2 Digiscoping-Adapter

- fixed focal length
- intuitive handling
- frame-filling view from 35 – 50 x eyepiece magnification
- fast Elmarit 24 mm f/2.8 ASPH. lens
- large, professional APS-C CMOS image sensor enables high ISO settings
- extremely simple access to manual functions
- self-timer for shake-free exposures
- large, high-contrast, 2.7" LCD screen
- can be easily mounted on spotting scopes with the Leica X1/X2 Digiscoping-Adapter

## Leica Photo-Adapter

- all common brands of film and digital SLR cameras can be mounted on Leica APO-Televid spotting scopes with the aid of this high-quality photo adapter
- connection to the camera by readily available T2 adapters
- a telephoto focal length of 800 mm makes it possible to capture frame-filling and pin-sharp images from greater distances and into the close focus range
- suitable for use with full-format sensors, with no edge vignetting
- low weight of only 8.11 oz/230 g

# Technical data.

| Camera | Leica X2 |
|---|---|
| Order no. | black anodised 18 450<br>silver anodised 18 452 |
| Lens | Leica Elmarit 24 mm f/2.8 ASPH.: 8 elements in 6 groups, 1 aspheric element |
| Focal distance | 24 mm (35 mm film equivalent) |
| Aperture | f2.8/f16.0 (⅓-EV steps) |
| Focusing area | 30 cm to infinity |
| AF metering range | 1 point, 11 points, spot, face detection |
| Image sensor | 16.5 MP, APS-C, CMOS image sensor |
| Camera effective pixels | 16.1 MP |
| Flash exposure mode | Program mode (P), Aperture priority (A), Shutter speed priority (S), Manual setting (M) |
| Exposure metering | smart multi-segment metering, center-weighted metering, selective (spot) metering |
| Shutter speed | 30 s to 1/2000 s |
| Self-timer | 2/12 s delay |
| Aspect ratio | 3 : 2 |
| Image quality | JPEG Super Fine, JPEG Fine, DNG + JPEG Super Fine, DNG + JPEG Fine |
| Burst shooting mode | 3 fps or 5 fps, max. 8 consecutive exposures with constant shooting speed in DNG + JPEG Fine quality |
| Video | |
| Built-in flash | auto, flash exposure correction, red-eye correction, fill-in flash, slow sync, studio, 1.-/2.-curtain sync |
| Hot shoe | compatible with Leica SF 24D, Leica SF 58 |
| LCD display | 2.7"-TFT LCD with 230,000 pixels, wide-angle field of view: 100 % |
| Storage medium | built-in memory (approx. 110 MB), SD, SDHC, SDXC |
| Dimensions (W x H x D) | approx. 4 8/9 x 2 18/25 x 2 3/100 in / 124 x 69 x 51.5 mm |
| Weight | approx. 11.15 oz/316 g (without battery)/12.17 oz/345 g (with battery) |
| Scope of delivery | Camera, battery (Leica BP-DC8), battery charger (Leica BC-DC8), battery case, leather carrying strap, USB cable,lens cap, user manual, Adobe® Photoshop® Lightroom® (free download option after camera registration) |

| Adapter | Leica X1/X2 Digiscoping-Adapter | Leica Universal-Digital-Adapter 3 | Leica Photo-Adapter |
|---|---|---|---|
| Order no. | 42 331 | 42 304 | 42 306 |

# Well informed …

… and equipped with the best – to make your nature observation a truly memorable experience.

The following pages present an overview of our practical accessories to complement your Leica equipment and make watching the world of nature even more enjoyable.

Would you like to know more about terms such as AquaDura® coating or HighLux-System HLS®? The following glossary explains the most important technical terms. Finally, we offer you an overview of the exceptional cameras created by Leica.

# Leica accessories.
# Functional and practical.

## Tripod adapter for binoculars

A stable platform for your binoculars is particularly helpful when viewing objects at greater distances or when you wish to focus precisely on a particular scene. The Leica tripod adapter enables simple and secure attachment of your binoculars on all standard tripods. It is quickly and easily attached to the flexible baseplate of the tripod adapter with elastic rubber belts. Available for all Geovid HD-B, Geovid HD, Ultravid HD, and Duovid models.
**Order no. 42 220**

## Floating carrying strap

All Leica full-size binoculars are waterproof to a depth of 16.5 ft / 5 m. That is why we make a floating neoprene carrying strap to make sure they don't sink if the worst happens. Their eye-catching signal orange color offers optimum protection against complete loss in situations on or near the water.
**Order no. 42 163**

## ER i riflescope sunshade

The optional all-metal sunshade ensures a brilliant image even in intense sunlight. A second sunshade can be affixed via a second screw thread to increase its effectiveness in reducing stray light. The interior thread (1.9 in x 0.03 in / 49 mm x 0.75 mm) can be used to attach special filters. Measuring 50 mm in length, the sunshade is anodized aluminum.
**Order no. 59 000**

## Exclusive leather case in brown

For Ultravid BR / Blackline 20 and Trinovid BCA 20
with a belt loop and shoulder strap
**Order no. 42 323**

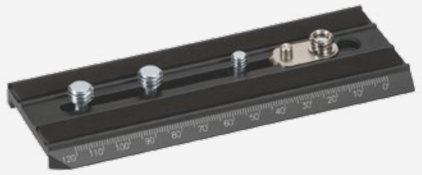
For Ultravid BR / Blackline 25 and Trinovid BCA 25
with shoulder strap
**Order no. 42 324**

## Ever-ready case for APO-Televid spotting scopes

These tough and hard-wearing Cordura ever-ready cases with shoulder straps not only keep your APO-Televid safe and sound; they also ensure that it is ready to use whenever you need it. Thanks to the cleverly designed closing system – with extra openings for the front lens, eyepiece, focusing barrel, and tripod mount – your spotting scope doesn't need to be taken out of its case for viewing and can be slung over your shoulder while still mounted on a tripod. The ever-ready case is available in two designs: one for straight-viewing spotting scopes and one for angled-viewing spotting scopes.

| | |
|---|---|
| For APO-Televid 65 W<br>**Order no. 42 311** | For APO-Televid 65<br>**Order no. 42 312** |
| For APO-Televid 82 W<br>**Order no. 42 313** | For APO-Televid 82<br>**Order no. 42 314** |

## Balance Plate



**Order no. 42 225**

# Good to know.
## Definitions from Leica.

### ABC®

- Advanced Ballistic Compensation
- the ballistics software calculates the required holdover value, automatically adjusting for angle of incline, atmospheric pressure, temperature, and load
- holdover value is provided in a customized output format

### ADC®

- Automatic Diopter Compensation
- innovation featured in Duovid binoculars
- ADC® ensures the diopter value you select is maintained when you switch from one magnification to the other (from 8 x to 12 x or from 10 x to 15 x)

### APO chromatic aberration correction

- APO stands for the apochromatic correction achieved by the use of special glass containing fluoride
- this increases sharpness and contrast and prevents undesirable color fringing

### AquaDura® coating

- its water and dirt repellent properties guarantee a clear view – even in unfavorable weather conditions
- improves viewing comfort
- increased abrasion resistance protects the precious optical elements even more effectively against damage

### ASPH.

- this abbreviation means that an aspherical lens is used in the optical system
- light rays passing through the edges of the aspherical lens are refracted differently – this results in perfect edge-to-edge sharpness across the entire field of view

### Automatic power-off

- via acceleration and position sensors, this intelligent technology switches off the illuminated dot when the rifle is not in shooting position
- extends battery life considerably

### Contrast

- the difference in brightness between the highlights and shadows in an image
- the greater this difference, the higher the contrast

### Depth of field

- the distance between the closest and most distant objects in the image plane that are still rendered sharply without refocusing
- the lower the magnification factor, the greater the depth of field

### EHR

- Equivalent Horizontal Range, a helpful parameter for shots in mountainous terrain
- A special Leica algorithm always takes at least one ballistic trajectory into account when calculating the EHR, providing results far more accurate than the “rifleman’s rule”.

### ER i

- ER stands for extended eye relief
- “i” is for “illuminated”, designating illumination suitable for twilight use

### Exit pupil

- the bright, circular field that can be seen by looking through the eyepiece from a distance of around 11.8 in to 39 ft / 30 cm to 12 m
- the exit pupil is calculated by dividing the front lens diameter by the magnification
- a sign of quality: the circular field should always be perfectly round with sharp edges

# Good to know.
# Definitions from Leica.

## False light / stray light

- falsely refracted or reflected light causes reflections or undesirable bright spots and interferes with viewing comfort and the natural perception of the scene viewed
- stray light can be suppressed to a great extent by using precisely selected coatings and light-baffle systems

## FL glass

- special glass containing fluoride
- FL glass minimizes color fringing, increases contrast, and guarantees natural color rendition
- very low light scattering means better correction of aberrations

## Front lens diameter

- the greater the diameter of the front lens, the more light is gathered by the binoculars
- if you are viewing predominantly in the twilight hours or at night, your ideal choice is a pair of binoculars with a lens opening of 42 or 50 mm, or a spotting scope with a front lens diameter of 82 mm

## HD

- High Definition means highest quality, both in terms of optics and mechanical measures
- features special fluoride glass materials
- includes AquaDura® coating
- Ultravid HD focusing remains fully functional, even in extreme temperatures – with unerringly smooth action

## HDC®

- Highly Durable Coating
- an abrasion-resistant and transmission-enhancing multicoating applied to lenses
- perfect for outdoor situations thanks to the combination of a high degree of transparency and resistance to scratching

## HLS®

- HighLux-System, used in Duovid and Ultravid binoculars
- can significantly increase transmission, contrast and sharpness
- a system of mechanical measures for the reduction of stray light (e. g. baffles, anti-reflective paints) in combination with special reflective coating of prisms

## Magnesium body / housing

- ideal material for protecting the optical elements from impact and vibration
- guaranteed durability combined with extraordinarily light weight

## Magnification

- describes how much closer an observed object appears to be,
  example: At 8 x magnification, an observer sees a bird at a distance of approx. 328 ft / 100 m as large as if it were only 41 ft / 2.5 m away (328 ft divided by 8 = 41 ft / 100 m divided by 8 = 12.5 m)

## Open ergonomic bridge (Geovid HD-B)

- completely redesigned curved bridge in combination with curved tubes
- can be grasped particularly ergonomically, without tilting your wrist
- makes prolonged observation more comfortable

## P40 phase-correcting coating

- used on both roof surfaces of a roof-prism erecting system
- increases contrast, reduces reflections and minimizes stray light

## Perger Porro-System (Geovid HD-B)

- patented erecting system
- combination of roof prism and Porro prism system
- outstanding transmission, exceptional contrast and improved plasticity

## Resolving power

- the ability of an optical system to render the finest structures
- the higher the resolving power, the better the perception of details under adverse lighting conditions

# Leica Cameras.
# Perfect Pictures.

## LEICA S

With the LEICA S, Leica has created a new reference class in professional digital photography. The Leica S-system breaks down the traditional barriers between 35 mm and medium-format photography. For the first time ever, it unites the handling and size of a 35 mm camera with a performance and quality that sets new standards in medium-format photography – for supreme image quality and maximum creative potential.

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## LEICA M

Since the introduction of the rangefinder system in 1954, Leica M film cameras have been considered by many photographers to be the perfect tool for capturing the fascination of a moment discreetly, silently and without hesitation. And of course in uncompromising quality. Today, it is the latest Leica M cameras, including the Leica M Monochrom that write new chapters in the success story of the M-System. Constructed by hand from only the finest materials, each of these cameras features a 24 x 36 mm full-format sensor and is compatible with the world's best lenses. The ultimate in rangefinder precision and cutting-edge digital technology makes the new generation the ideal tools for all contemporary photographers who set the most stringent demands on imaging quality and have a passion for conscious composition.

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## LEICA V-LUX 4

The Leica V-Lux 4 is so versatile that it takes simply every situation in its stride. Its fast (f/2.8) lens enables sharp exposures even in poor light and covers the enormous zoom range of 25 to 600 mm (35 mm equivalent). Thanks to its new electronic viewfinder, photographers have complete control over their subjects even in bright ambient light. Its 3-inch, free-angle LCD monitor screen makes it particularly easy to shoot from unusual angles. Furthermore, the V-Lux 4 features a fast continuous-shooting option and masters full-HD video recording at frame rates up to 60 fps – a camera that transforms every trip into a journey of discovery.

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Concept and design: Geometry Global, Frankfurt
Order-no. 25 106 German, 25 107 English, 25 108 French, 25 109 Italian

Leica Camera AG | Am Leitz-Park 5 | 35578 WETZLAR | GERMANY
Phone +49(0)6441-2080-0 | Fax +49(0)6441-2080-333 | www.leica-sportoptics.com